

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Abrams Creek		
TMDL Group ID:	00078		
VAV-B09R_ABR01A00	Abrams Creek	FREDERICK CO	Abrams Creek from its headwaters downstream to its confluence with Opequon Creek.
VA Overall AU Category: 4A			
Use	Impairment	10.57 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00078 1996 2004	Federal TMDL ID # 17635
Sources: Municipal (Urbanized High Density Area)			
Wildlife Other than Waterfowl			
TMDL Group ID:	00080		
VAV-B09R_ABR01A00	Abrams Creek	FREDERICK CO	Abrams Creek from its headwaters downstream to its confluence with Opequon Creek.
VA Overall AU Category: 4A			
Use	Impairment	10.57 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00080 1996 2004	Federal TMDL ID # 17636
Sources: Municipal (Urbanized High Density Area)			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Accotink Creek		
TMDL Group ID:	00061		
<b>VAN-A15R_ACO02A00</b>	<b>Accotink Creek</b>	<b>FAIRFAX CO</b>	Segment begins at the confluence with Crook Branch, upstream from Route 846, and continues downstream until the start of Lake Accotink.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	4.80 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00061	<b>2004</b> <b>2002</b> A fecal coliform TMDL for Accotink Creek above Lake Accotink was developed and submitted to the U.S. EPA on April 26, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are dog and goose waste deposited on pervious and impervious surfaces, cat and duck waste deposited on pervious surfaces, and human sources including failing septic systems, leaking sewer lines and illicit sewer connections.  Sufficient exceedances of the instantaneous E.coli bacteria criterion were recorded at DEQ's ambient water quality monitoring station (1AACO014.57) at the Route 620 bridge (6 of 13 samples - 46.2%) and USGS station 01654000 (22 of 23 samples - 95.6%) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID 17637.
Sources: Illicit Connections/Hook-ups to Storm Sewers Impervious Surface/Parking Lot Runoff Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl			
TMDL Watershed Name:	Back Creek		
TMDL Group ID:	01597		
<b>VAV-B10R_BAK01A00</b>	<b>Back Creek</b>	<b>AUGUSTA CO</b>	Back Creek from the headwaters downstream to its confluence with Middle River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	8.39 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	01597	<b>2004</b> <b>2004</b> Federal TMDL ID # 7683
Sources: Non-Point Source Wildlife Other than Waterfowl			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Beaver Creek	
TMDL Group ID:		00207	
VAV-B18R_BVR01A00	Beaver Creek	ROCKINGHAM CO	Beaver Creek from its confluence with Waggys Creek downstream to its confluence with Briery Branch.
VA Overall AU Category: 4A	Impairment	2.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00207 2002 2014	Federal TMDL ID # Not assigned
Sources: Non-Point Source Wildlife Other than Waterfowl			
VAV-B18R_BVR02A00	Beaver Creek	ROCKINGHAM CO	Beaver Creek from the headwaters downstream to its confluence with Waggys Creek.
VA Overall AU Category: 4A	Impairment	3.17 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00207 2002 2014	Federal TMDL ID # Not assigned
Sources: Wildlife Other than Waterfowl			
TMDL Watershed Name:		Beaverdam Creek	
TMDL Group ID:		00065	
VAN-A07R_BEC01A00	Beaverdam Creek	LOUDOUN CO	Segment begins at the confluence with North Fork Beaverdam Creek, approximately 0.27 rivermile upstream of Route 746, and continues downstream until the confluence with North Fork Goose Creek.
VA Overall AU Category: 4A	Impairment	6.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Escherichia coli	00065 2006 2003	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 13 samples - 46.2%) were recorded at DEQ's ambient water quality monitoring station (1ABEC004.76) at the Route 734 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			
Segment listed as Category 4A - Federal ID 17734.			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Blacks Run		
TMDL Group ID:	00082		
VAV-B26R_BLK01A00	Blacks Run	HARRISONBURG CITY	Blacks Run from the headwaters downstream to its confluence with Cooks Creek.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	10.73 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00082 2004 2010	Federal TMDL ID # 9470
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00082 1996 2010	Federal TMDL ID # 9470
		Sources: Municipal (Urbanized High Density Area)	
		Wildlife Other than Waterfowl	
TMDL Group ID:	00084		
VAV-B26R_BLK01A00	Blacks Run	HARRISONBURG CITY	Blacks Run from the headwaters downstream to its confluence with Cooks Creek.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	10.73 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00084 1996 2010	Federal TMDL ID # 9510
		Sources: Municipal (Urbanized High Density Area)	
		Non-Point Source	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Catoctin Creek		
TMDL Group ID:	00162		
<b>VAN-A02R_CAX01A00</b>	<b>Catoctin Creek</b>	<b>LOUDOUN CO</b>	Segment begins at the confluence with Milltown Creek, approximately 1.2 rivermiles downstream of Route 673, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	7.20 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00162	<b>2006</b> <b>2002</b> A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 17 samples - 29.4%) were recorded at DEQ's ambient water quality monitoring station (1ACAX004.57) at the Route 663 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 1994.  Segment listed as Category 4A - Federal ID 18118.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Catoctin Creek, North Fork		
TMDL Group ID:	00159		
VAN-A02R_NOC01A00	North Fork Catoctin Creek	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary to North Fork Catoctin Creek, approximately 0.2 rivermile downstream from the Route 287 bridge, and continues downstream until the confluence with Catoctin Creek.
VA Overall AU Category: 4A			
Use	Impairment	4.12 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00159 1996 2002	A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1ANOC000.42) at the Route 681 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 20484.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Catoctin Creek, North Fork	
TMDL Group ID:		00159	
VAN-A02R_NOC03A02	North Fork Catoctin Creek	LOUDOUN CO	Segment begins at the confluence of an unnamed tributary to North Fork Catoctin Creek, approximately 0.8 rivermile upstream from Route 719 near Hillsboro, and continues downstream 2.45 rivermiles to an unnamed impoundment.
VA Overall AU Category: 4A			
Use	Impairment	2.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00159	2006 2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ANOC009.37) at the Route 812 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
			Segment listed as Category 4A - Federal ID 20484.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Livestock (Grazing or Feeding Operations)	
		Sewage Discharges in Unsewered Areas	
		Waterfowl	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00159	2004 2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.
			Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1ANOC009.13) at the Route 690 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
			Segment listed as Category 4A - Federal ID 20484.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Livestock (Grazing or Feeding Operations)	
		Sewage Discharges in Unsewered Areas	
		Waterfowl	
		Wildlife Other than Waterfowl	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Catoctin Creek, South Fork	
TMDL Group ID:		00160	
VAN-A02R_SOC01A00	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary to South Fork Catoctin Creek, approximately 0.55 rivermile upstream from Route Nine, and continues downstream until the confluence with Catoctin Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.77 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00160	2006 2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ASOC001.66) at the Route 698 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21332.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00160	1996 2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1ASOC001.66) at the Route 698 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21332.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl		



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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Catoctin Creek, South Fork	
TMDL Group ID:		00160	
VAN-A02R_SOC02A02	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at confluence with an unnamed tributary, 0.75 rivermile upstream from the Route 287 bridge, and continues downstream until the confluence with another unnamed tributary, approximately 0.55 rivermile upstream from the Route 9 bridge.
VA Overall AU Category: 4A			
Use	Impairment	2.97 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00160 2006	2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 6 samples - 83.3%) were recorded at DEQ's ambient water quality monitoring station (1ASOC007.06) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21332.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00160 2002	2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (1ASOC007.06) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21332.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl		

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Catoctin Creek, South Fork		
TMDL Group ID:	00161		
VAN-A02R_SOC04A04	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the headwaters of South Fork Catoctin Creek and continues downstream until the Purcellville town limits, downstream from the Route Seven bridge crossing.
VA Overall AU Category: 4A			
Use	Impairment	5.17 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00161	1996 2002 A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1ASOC012.38) at the Route 690 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21332.
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Cedar Run	
TMDL Group ID:		00012	
<b>VAN-A17R_CER01A02</b>	<b>Cedar Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with Walnut Branch, at approximately rivermile 15.2, and continues downstream until the mouth of waterbody A17R.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli criterion (6 of 12 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER009.52) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1996.
<p>A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.</p> <p>Segment listed as Category 4A - Federal ID 18129.</p> <p>Sources: Grazing in Riparian or Shoreline Zones Manure Runoff Waterfowl Wildlife Other than Waterfowl</p>			
<b>VAN-A17R_CER02A02</b>	<b>Cedar Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with Turkey Run, approximately 0.15 rivermile upstream from Route 603, and continues downstream until the confluence with Walnut Branch, at approximate rivermile 15.2.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli criterion (9 of 24 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1ACER016.46) at the Route 806 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
<p>A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.</p> <p>Segment listed as Category 4A - Federal ID 18129.</p> <p>Sources: Grazing in Riparian or Shoreline Zones Manure Runoff Waterfowl Wildlife Other than Waterfowl</p>			

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<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Cedar Run		
TMDL Group ID:	00012		
<b>VAN-A17R_CER03A02</b>	<b>Cedar Run</b>	<b>FAUQUIER CO</b>	Segment begins at the boundary of the PWS designation area, approximately rivermile 25.20, and continues downstream until the confluence with Turkey Run, approximately 0.15 rivermile upstream from Route 603.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	4.31 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli criterion (8 of 16 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER025.25) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
			A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	

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TMDL Watershed Name:		Cedar Run	
TMDL Group ID:		00012	
<b>VAN-A17R_CER03B06</b>	<b>Cedar Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with Mill Run, approximately 1.2 rivermiles downstream from Route 672, and continues downstream until the boundary of the PWS designation area, at approximately rivermile 25.20.
VA Overall AU Category: <b>4A</b>	Impairment	2.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli criterion (8 of 16 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER025.25) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
Recreation			A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	
<b>VAN-A18R_CER01A02</b>	<b>Cedar Run</b>	<b>PRINCE WILLIAM CO</b>	Segment begins at the boundary of the PWS designation area, at rivermile 7.86, and continues downstream until the confluence with the Occoquan River/Lake Jackson.
VA Overall AU Category: <b>4A</b>	Impairment	8.18 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 20 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER006.00) at the Route 646 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1996.
Recreation			A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	

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TMDL Watershed Name:	Cedar Run		
TMDL Group ID:	00012		
<b>VAN-A18R_CER01B06</b>	<b>Cedar Run</b>	<b>PRINCE WILLIAM CO</b>	Segment begins at the confluence with Goslin Run and continues downstream until the boundary of the PWS designation area, at rivermile 7.86.
VA Overall AU Category: <b>4A</b>	Impairment	1.66 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 20 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER006.00) at the Route 646 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1996.  A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.  Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones Manure Runoff Waterfowl Wildlife Other than Waterfowl	
<b>VAN-A18R_CER02A02</b>	<b>Cedar Run</b>	<b>FAUQUIER CO</b>	Segment begins at the boundary of the PWS designation area, at rivermile 12.81, and continues downstream until the confluence with Goslin Run.
VA Overall AU Category: <b>4A</b>	Impairment	3.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>	00012	<b>2006</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 12 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER009.52) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1996.  A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.  Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones Manure Runoff Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Cedar Run		
TMDL Group ID:	00012		
VAN-A18R_CER02B06	Cedar Run	FAUQUIER CO	Segment begins at the mouth of watershed A17R and continues downstream until the boundary of the PWS designation area, at rivermile 12.81.
VA Overall AU Category: 4A		PRINCE WILLIAM CO	
Use	Impairment	0.66 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00012	2006 2004 Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 12 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ACER009.52) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1996.
			A bacteria TMDL for the Cedar Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Segment listed as Category 4A - Federal ID 18129.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Christians Creek	
TMDL Group ID:		00076	
VAV-B14R_CST01A00	Christians Creek	AUGUSTA CO	Christians Creek from its confluence with Barterbrook Branch downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	16.64 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00076 1996 2004	Federal TMDL ID # 7683
This station has been assessed as Slightly Impaired for the past two assessment cycles but EPA will not allow De-Listing. The VRO biologist has very little confidence in the Not Supporting Assessment for this parameter.			
Sources: Source Unknown			
VAV-B14R_CST02A00	Christians Creek	AUGUSTA CO	Christians Creek from the headwaters downstream to its confluence with Barterbrook Branch.
VA Overall AU Category: 4A			
Use	Impairment	14.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00076 1996 2004	Federal TMDL ID # 7683
This station has been assessed as Slightly Impaired for the past two assessment cycles but EPA will not allow De-Listing. The VRO biologist has very little confidence in the Not Supporting Assessment for this parameter.			
Sources: Source Unknown			
TMDL Group ID:		00085	
VAV-B14R_CST01A00	Christians Creek	AUGUSTA CO	Christians Creek from its confluence with Barterbrook Branch downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	16.64 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00085 2004 2002	Federal TMDL ID # 9480
Sources: Municipal (Urbanized High Density Area)			
Non-Point Source			
Recreation	Fecal Coliform	00085 1996 2002	Federal TMDL ID # 9480
Sources: Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Christians Creek		
TMDL Group ID:	00085		
VAV-B14R_CST02A00	Christians Creek	AUGUSTA CO	Christians Creek from the headwaters downstream to its confluence with Barterbrook Branch.
VA Overall AU Category: 4A			
Use	Impairment	14.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00085 2004 2002	Federal TMDL ID # 9480
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00085 1996 2002	Federal TMDL ID # 9480
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
TMDL Watershed Name:	Cockran Spring Branch		
TMDL Group ID:	00086		
VAV-B10R_XDN01A00	Cockran Spring Branch	AUGUSTA CO	Cockran Spring Branch from the spring downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	0.80 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00086 1996 2004	Federal TMDL ID # 9461
		Sources: Industrial Point Source Discharge	
TMDL Watershed Name:	Congers Creek		
TMDL Group ID:	97003		
VAV-B29R_CNG01A00	Congers Creek	ROCKINGHAM CO	Congers Creek from the headwaters downstream to its confluence with Mill Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.56 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	97003 2004 2004	Federal TMDL ID # 9468
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shenandoah River Basins			
TMDL Watershed Name: Cooks Creek			
TMDL Group ID: 00083			
VAV-B25R_CKS01A00	Cooks Creek	ROCKINGHAM CO	Cooks Creek from its confluence with Silver Creek (at Route 701 Slab Crossing) downstream to its confluence with North River.
VA Overall AU Category: 4A	Use	Impairment	7.09 MILES
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID	First Listed on 303(d)
		00083	1996
		TMDL Schedule	2002
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 9509 & 9510	
Sources: Non-Point Source			
VAV-B25R_CKS02A04	Cooks Creek	ROCKINGHAM CO	Cooks Creek from the headwaters downstream to its confluence with Silver Creek (at the Route 701 Slab Crossing).
VA Overall AU Category: 4A	Use	Impairment	6.28 MILES
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID	First Listed on 303(d)
		00083	1996
		TMDL Schedule	2016
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 9509	
Sources: Non-Point Source			
TMDL Group ID: 00092			
VAV-B25R_CKS01A00	Cooks Creek	ROCKINGHAM CO	Cooks Creek from its confluence with Silver Creek (at Route 701 Slab Crossing) downstream to its confluence with North River.
VA Overall AU Category: 4A	Use	Impairment	7.09 MILES
Recreation	Escherichia coli	TMDL Group ID	First Listed on 303(d)
		00092	2004
		TMDL Schedule	2002
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 9473	
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	TMDL Group ID	First Listed on 303(d)
		00092	1996
		TMDL Schedule	2002
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 9473	
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
VAV-B25R_CKS02A04	Cooks Creek	ROCKINGHAM CO	Cooks Creek from the headwaters downstream to its confluence with Silver Creek (at the Route 701 Slab Crossing).
VA Overall AU Category: 4A	Use	Impairment	6.28 MILES
Recreation	Escherichia coli	TMDL Group ID	First Listed on 303(d)
		00092	2004
		TMDL Schedule	2002
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 9473	
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Cooks Creek		
TMDL Group ID:	00092		
Recreation	Fecal Coliform	00092	1996 2016 Federal TMDL ID # 9473
	Sources: Non-Point Source Wildlife Other than Waterfowl		
TMDL Watershed Name:	Cromwells Run		
TMDL Group ID:	00063		
VAN-A05R_CRM01A00	Cromwells Run	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Cromwells Run, approximately 0.78 rivermile downstream from Route 715, and continues downstream until the confluence with Rocky Creek, approximately 0.4 rivermile downstream from Route 50.
VA Overall AU Category: 4A		LOUDOUN CO	
Use	Impairment	3.61 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00063	1998 2003 A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septs systems and straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (6 of 18 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1ACRM001.20) at the Route 50 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 18212.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Cub Run		
TMDL Group ID:	00093		
VAV-B34R_CBR01A00	Cub Run	ROCKINGHAM CO	Cub Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 4A			
Use	Impairment	13.88 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00093 2004	2004 Federal TMDL ID # 18237
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00093 1998	2004 Federal TMDL ID # 18237
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Dry River		
TMDL Group ID:	00094		
<b>VAV-B21R_DUR01A00</b>	<b>Dry River</b>	<b>ROCKINGHAM CO</b>	Dry River from its confluence with Muddy Creek downstream to its confluence with North River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00094	2004 2000 Category 4A - Federal TMDL ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00094	1998 2000 Category 4A - Federal TMDL ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
<b>VAV-B21R_DUR02A00</b>	<b>Dry River</b>	<b>ROCKINGHAM CO</b>	Dry River from the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake downstream to its confluence with Muddy Creek.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.05 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00094	2004 2000 Category 4A - Federal TMDL ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00094	1998 2000 Category 4A - Federal TMDL ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
<b>VAV-B21R_DUR03A00</b>	<b>Dry River</b>	<b>ROCKINGHAM CO</b>	Dry River from the Route 613 bridge downstream to the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.67 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00094	2004 2000 Category 4A - Federal TMDL ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00094	1998 2000 Category 4A - Federal TMLD ID # 1492
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Duck Run		
TMDL Group ID:	97002		
VAV-B29R_DKR01A00	Duck Run	ROCKINGHAM CO	Duck Run from its headwaters downstream to its confluence with Mill Creek.
VA Overall AU Category: 4A			
Use	Impairment	2.78 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	97002	1996 2004 Federal TMDL ID # 9468
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
<b>East Hawksbill Creek</b>			
TMDL Watershed Name:	East Hawksbill Creek		
TMDL Group ID:	50237		
VAV-B39R_EHC01A00	East Hawksbill Creek	PAGE CO	East Hawksbill Creek from the headwaters downstream to its confluence with Hawksbill Creek.
VA Overall AU Category: 4A			
Use	Impairment	9.16 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50237	2006 2004 Federal TMDL ID # 19344
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
			According to Section 7.2, Rule 3 of the 2006 Virginia Water Quality Assessment Guidance, this water is categorized as 4A based on its inclusion within the geographical area covered by the Hawksbill Creek TMDL for bacteria.
			Newly listed for bacteria in 2006.
<b>Edison Creek</b>			
TMDL Watershed Name:	Edison Creek		
TMDL Group ID:	01598		
VAV-B10R_EDN01A00	Eidson Creek	AUGUSTA CO	Eidson Creek from the headwaters downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	8.66 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01598	2004 2004 Federal TMDL ID # 7683
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Elk Run		
TMDL Group ID:	01600		
VAV-B13R_ELK01A00	Elk Run	AUGUSTA CO	Elk Run from the headwaters downstream to its confluence with Moffett Creek.
VA Overall AU Category: 4A			
Use	Impairment	3.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01600 2004 2004	Federal TMDL ID # 7679
Sources:			
TMDL Watershed Name:	Folly Mills Creek		
TMDL Group ID:	01599		
VAV-B14R_FMC01A00	Folly Mills Creek	AUGUSTA CO	Folly Mills Creek including tributary from the headwaters downstream to its confluence with Christians Creek.
VA Overall AU Category: 4A			
Use	Impairment	13.14 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01599 2004 2004	Federal TMDL ID # 17969
Sources: Non-Point Source			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Fourmile Run		
TMDL Group ID:	00070		
VAN-A12R_FOU01A00	Fourmile Run	ALEXANDRIA CITY	Segment begins at the headwaters of Fourmile Run and continues downstream until rivermile 1.46, approximately 0.27 rivermile upstream from the Arlington Ridge Road bridge. Segment includes non-tidal waters of Fourmile Run.
VA Overall AU Category: 4A		FALLS CHURCH CITY	
Use	Impairment	7.88 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00070	2006 2002 A fecal coliform TMDL was developed for the free-flowing waters of Four Mile Run, and was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are human sources including leaking sewer lines and illicit sewer connections, dog waste, and wildlife waste.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 13 samples - 46.2%) were recorded at DEQ's ambient water quality monitoring station (1AFOU001.92) at the West Glebe Road bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1994.
			Segment listed as Category 4A - Federal ID 19004.
	Sources:	Illicit Connections/Hook-ups to Storm Sewers	
		Wastes from Pets	
		Waterfowl	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Goose Creek, North Fork		
TMDL Group ID:	00064		
VAN-A06R_NOG02A00	North Fork Goose Creek	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary to North Fork Goose Creek, approximately 0.25 rivermile upstream from Route 725, and continues downstream until the confluence with Crooked Run, 0.35 rivermile upstream from Route 729.
VA Overall AU Category: 4A			
Use	Impairment	4.29 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00064 2006 2003	<p>A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septic systems and straight pipes.</p> <p>Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 13 samples - 61.5%) were recorded at DEQ's ambient water quality monitoring station (1ANOG005.69) at the Route 722 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.</p> <p>Segment listed as Category 4A - Federal ID 20490.</p>
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Hawksbill Creek		
TMDL Group ID:	00020		
VAV-B39R_HKS01A00	Hawksbill Creek	PAGE CO	Hawksbill Creek from its confluence with East Hawksbill Creek downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 4A			
Use	Impairment	7.04 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00020	2006 2004 Federal TMDL ID # 19344
			According to Section 7.2, Rule 3 of the 2006 Virginia Water Quality Assessment Guidance, this water is categorized as 4A based on its inclusion within the geographical area covered by the Hawksbill Creek TMDL for bacteria.
			Newly listed for bacteria in 2006.
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
VAV-B39R_HKS02A00	Hawksbill Creek	PAGE CO	Hawksbill Creek from the headwaters downstream to its confluence with East Hawksbill Creek.
VA Overall AU Category: 4A			
Use	Impairment	12.26 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00020	2004 2004 Federal TMDL ID # 19344
	Sources: Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00020	2002 2004 Federal TMDL ID # 19344
	Sources: Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Holmans Creek	
TMDL Group ID:		00095	
VAV-B45R_HMN01A00	Holmans Creek	SHENANDOAH CO	Holmans Creek from its confluence with an unnamed tributary at the Quicksburg Road bridge downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 4A	Impairment	4.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00095 1996 2004	Federal TMDL ID # 9577
Sources: Non-Point Source Wildlife Other than Waterfowl			
VAV-B45R_HMN02A00	Holmans Creek	SHENANDOAH CO	Holmans Creek from the Flat Rock Road bridge near Moores Store downstream to its confluence with an unnamed tributary at the Quicksburg Road bridge crossing.
VA Overall AU Category: 4A	Impairment	2.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00095 1996 2004	Federal TMDL ID # 9577
Sources: Non-Point Source Wildlife Other than Waterfowl			
VAV-B45R_HMN03A00	Holmans Creek	ROCKINGHAM CO	Holmans Creek from the headwaters downstream to its to the Flat Road Road bridge crossing near Moores Store.
VA Overall AU Category: 4A	Impairment	2.94 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00095 1996 2004	Federal TMDL ID # 9577
Sources: Non-Point Source Wildlife Other than Waterfowl			
TMDL Group ID:		00096	
VAV-B45R_HMN01A00	Holmans Creek	SHENANDOAH CO	Holmans Creek from its confluence with an unnamed tributary at the Quicksburg Road bridge downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 4A	Impairment	4.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00096 1996 2004	Federal TMDL ID # 19410
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Holmans Creek	
TMDL Group ID:		00096	
VAV-B45R_HMN02A00	Holmans Creek	SHENANDOAH CO	Holmans Creek from the Flat Rock Road bridge near Moores Store downstream to its confluence with an unnamed tributary at the Quicksburg Road bridge crossing.
VA Overall AU Category:	4A		
Use	Impairment	2.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00096	1996 2004 Federal TMDL ID # 19410
Sources: Non-Point Source			
VAV-B45R_HMN03A00	Holmans Creek	ROCKINGHAM CO	Holmans Creek from the headwaters downstream to its to the Flat Road Road bridge crossing near Moores Store.
		SHENANDOAH CO	
VA Overall AU Category:	4A		
Use	Impairment	2.94 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00096	1996 2004 Federal TMDL ID # 19410
Sources: Non-Point Source			
TMDL Watershed Name:		Honey Run	
TMDL Group ID:		01610	
VAV-B21R_HNY01A02	Honey Run	ROCKINGHAM CO	Honey Run from the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Supply Intake downstream to its confluence with Dry River.
VA Overall AU Category:	4A		
Use	Impairment	1.06 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01610	2004 2001 Federal TMDL ID # 7686
Sources: Non-Point Source Wildlife Other than Waterfowl			
VAV-B21R_HNY02A02	Honey Run	ROCKINGHAM CO	Honey Run from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake.
VA Overall AU Category:	4A		
Use	Impairment	2.01 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01610	2004 2001 Federal TMDL ID # 7686
Sources: Non-Point Source Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name: Lacey Spring			
TMDL Group ID: 00087			
VAV-B47R_LAC01A00	Lacey Spring	ROCKINGHAM CO	Lacey Spring Branch from the spring downstream to its confluence with Smith Creek.
VA Overall AU Category: 4A			
Use	Impairment	0.20 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00087	1998 2002 Federal TMDL ID # 9496
Sources: Industrial Point Source Discharge			
TMDL Watershed Name: Lick Run			
TMDL Group ID: 50230			
VAV-B09R_LIR01A00	Lick Run	FREDERICK CO	Lick Run (also known as Hiatt Run) from its headwaters downstream to its confluence with Opequon Creek.
VA Overall AU Category: 4A			
Use	Impairment	8.87 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50230	2006 2004 Federal TMDL ID # 20941
Sources: Non-Point Source			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Licking Run	
TMDL Group ID:		00013	
<b>VAN-A17R_LIL01A00</b>	<b>Licking Run</b>	<b>FAUQUIER CO</b>	Segment begins at the boundary of the PWS designation area, approximately 0.24 rivermile downstream from Route 602, and continues downstream until the confluence with Cedar Run.
VA Overall AU Category: <b>4A</b>	Impairment	6.34 MILES	TMDL Group ID
Use			First Listed on 303(d)
Recreation	<b>Escherichia coli</b>		TMDL Schedule
		00013	2006
			2004
			Impairment Specific Comments and/or Impairment Specific VA Category
			A bacteria TMDL for the Licking Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 20 samples - 35.0%) were recorded at DEQ's ambient water quality monitoring station (1ALIL001.43) at the Route 616 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
			Segment listed as Category 4A - Federal ID 19595.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	
<b>VAN-A17R_LIL01B06</b>	<b>Licking Run</b>	<b>FAUQUIER CO</b>	Segment begins at Route 602, below the mouth of Germantown Lake, and continues downstream until the boundary of the PWS designation area.
VA Overall AU Category: <b>4A</b>	Impairment	0.24 MILES	TMDL Group ID
Use			First Listed on 303(d)
Recreation	<b>Escherichia coli</b>		TMDL Schedule
		00013	2006
			2004
			Impairment Specific Comments and/or Impairment Specific VA Category
			A bacteria TMDL for the Licking Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream and from loadings to pastures.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 20 samples - 35.0%) were recorded at DEQ's ambient water quality monitoring station (1ALIL001.43) at the Route 616 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
			Segment listed as Category 4A - Federal ID 19595.
	Sources:	Grazing in Riparian or Shoreline Zones	
		Manure Runoff	
		Waterfowl	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Limestone Branch		
TMDL Group ID:	00026		
VAN-A03R_LIM01A00	Limestone Branch	LOUDOUN CO	Segment begins at the edge of the PWS supply designation, approximately 0.05 rivermile upstream from the Route 15 bridge, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00026	<b>2006</b> <b>2004</b> A bacteria TMDL for the Limestone Branch watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 20 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (1ALIM001.16) at the Route 15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment, beginning in 2002.  Segment listed as Category 4A - Federal ID 19596.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Limestone Branch		
TMDL Group ID:	00026		
VAN-A03R_LIM01B06	Limestone Branch	LOUDOUN CO	Segment begins at the headwaters of Limestone Branch and continues downstream until the edge of the PWS supply designation, approximately 0.05 rivermile upstream from the Route 15 bridge.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.54 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00026	<b>2006</b> <b>2004</b> A bacteria TMDL for the Limestone Branch watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 20 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (1ALIM001.16) at the Route 15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment, beginning in 2002.  Segment listed as Category 4A - Federal ID 19596.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Linville Creek	
TMDL Group ID:		00097	
VAV-B46R_LNV01A00	Linville Creek	ROCKINGHAM CO	Linville Creek from the 5 mile upper limit of the PWS designation for the Broadway Pubic Water Intake downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category:	4A		
Use	Impairment	5.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00097	2004 2004 Federal TMDL ID # 19713
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00097	1996 2004 Federal TMDL ID # 19713
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
VAV-B46R_LNV02A04	Linville Creek	ROCKINGHAM CO	Linville Creek from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Broadway Public Water Intake.
VA Overall AU Category:	4A		
Use	Impairment	8.33 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00097	2004 2016 Federal TMDL ID # 19713
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00097	1996 2016 Federal TMDL ID # 19713
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
TMDL Group ID:		00157	
VAV-B46R_LNV01A00	Linville Creek	ROCKINGHAM CO	Linville Creek from the 5 mile upper limit of the PWS designation for the Broadway Pubic Water Intake downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category:	4A		
Use	Impairment	5.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00157	1996 2004 Federal TMDL ID # 19713
	Sources:	Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Linville Creek		
TMDL Group ID:	00157		
VAV-B46R_LNV02A04	Linville Creek	ROCKINGHAM CO	Linville Creek from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Broadway Public Water Intake.
VA Overall AU Category: 4A			
Use	Impairment	8.33 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00157	1996 2016 Federal TMDL ID # 19713
Sources: Non-Point Source			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Little River	
TMDL Group ID:		00066	
VAN-A08R_LIV01A00	Little River	LOUDOUN CO	Segment begins at the confluence with Hungry Run, approximately 1.5 rivermiles upstream from Route 50 near Aldie, and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: 4A	Impairment 6.13 MILES	TMDL Group ID 00066	First Listed on 303(d) 1998
Use Recreation	Fecal Coliform	TMDL Schedule 2003	Impairment Specific Comments and/or Impairment Specific VA Category
<p>A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septic systems and straight pipes.</p> <p>Sufficient exceedances of the instantaneous fecal coliform bacteria criterion were recorded at DEQ's special study station (1ALIV001.70) at the Route 15 bridge (2 of 11 samples - 18.2%) and ambient station (1ALIV004.78) at the Route 50 bridge (7 of 19 samples - 36.8%) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.</p> <p>Segment listed as Category 4A - Federal ID 19650.</p> <p>Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas</p>			
TMDL Group ID:		00072	
VAN-A08R_LIV01A00	Little River	LOUDOUN CO	Segment begins at the confluence with Hungry Run, approximately 1.5 rivermiles upstream from Route 50 near Aldie, and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: 4A	Impairment 6.13 MILES	TMDL Group ID 00072	First Listed on 303(d) 1998
Use Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Schedule 2004	Impairment Specific Comments and/or Impairment Specific VA Category
<p>A benthic TMDL for the Goose Creek watershed was approved by the U.S. EPA on April 26, 2004. Goose Creek and Little River are borderline cases of aquatic life impairments. For the most part, they are classified as slightly impaired when compared to their reference sites. The presence of sediment tolerant species in greater abundance in Goose Creek and Little River represents the clearest difference between the impaired sites and their references. It is therefore likely that sediment loads in excess of those found in their references are the cause of the differences observed in the macroinvertebrate communities in Goose Creek and Little River.</p> <p>Segment listed as Category 4A - Federal ID 19651.</p> <p>Sources: Crop Production (Crop Land or Dry Land) Post-development Erosion and Sedimentation Rangeland Grazing Site Clearance (Land Development or Redevelopment)</p>			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Long Glade Creek		
TMDL Group ID:	00015		
VAV-B24R_LGC01A00	Long Glade Creek	AUGUSTA CO	Long Glade Creek from the headwaters downstream to its confluence with North River.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	10.75 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00015	1998 2010 Federal TMDL ID # 19708
Sources: Non-Point Source Wildlife Other than Waterfowl			
TMDL Watershed Name:	Middle River Watershed, Lower		
TMDL Group ID:	00009		
VAV-B15R_MDL01A00	Middle River	AUGUSTA CO	Middle River from its confluence with Christians Creek downstream to its confluence with North River.
VA Overall AU Category: 4A			
Use	Impairment	17.57 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00009	1996 2004 Federal TMDL ID # 7683
Sources: Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Middle River, Upper		
TMDL Group ID:	00006		
<b>VAV-B10R_MDL01A00</b>	<b>Middle River</b>	<b>AUGUSTA CO</b>	Middle River from its confluence with Back Creek downstream to its confluence with Eidson Creek.
VA Overall AU Category: <b>4A</b>	Impairment	4.70 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00006	<b>2004</b> <b>2004</b> Federal TMDL ID # 7683
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B10R_MDL02A00</b>	<b>Middle River</b>	<b>AUGUSTA CO</b>	Middle River from its confluence with Cockran Spring Branch downstream to its confluence with Back Creek.
VA Overall AU Category: <b>4A</b>	Impairment	9.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00006	<b>2004</b> <b>2004</b> Federal TMDL ID # 7683
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B10R_MDL03A00</b>	<b>Middle River</b>	<b>AUGUSTA CO</b>	Middle River from the headwaters downstream to its confluence with Cockran Spring Branch.
VA Overall AU Category: <b>4A</b>	Impairment	1.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00006	<b>2004</b> <b>2004</b> Federal TMDL ID # 7683
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B11R_MDL01A00</b>	<b>Middle River</b>	<b>AUGUSTA CO</b>	Middle River from its confluence with Buffalo Creek downstream to its confluence with Jennings Branch.
VA Overall AU Category: <b>4A</b>	Impairment	3.35 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00006	<b>2006</b> <b>2004</b> Federal TMDL ID # 7683
Recreation		Sources: Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name: Middle River, Upper			
TMDL Group ID: 00006			
VAV-B11R_MDL02A00	Middle River	AUGUSTA CO	Middle River from its confluence with Eidson Creek downstream to its confluence with Buffalo Branch.
VA Overall AU Category: 4A			
Use	Impairment	3.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00006	2006 2004 Federal TMDL ID # 7683
Sources: Non-Point Source			
TMDL Group ID: 00073			
VAV-B10R_MDL01A00	Middle River	AUGUSTA CO	Middle River from its confluence with Back Creek downstream to its confluence with Eidson Creek.
VA Overall AU Category: 4A			
Use	Impairment	4.70 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00073	1998 2004 Federal TMDL ID # 7683
Sources: Source Unknown			
VAV-B10R_MDL02A00	Middle River	AUGUSTA CO	Middle River from its confluence with Cockran Spring Branch downstream to its confluence with Back Creek.
VA Overall AU Category: 4A			
Use	Impairment	9.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00073	1998 2004 Federal TMDL ID # 7683
Sources: Source Unknown			
VAV-B10R_MDL03A00	Middle River	AUGUSTA CO	Middle River from the headwaters downstream to its confluence with Cockran Spring Branch.
VA Overall AU Category: 4A			
Use	Impairment	1.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00073	1998 2004 Federal TMDL ID # 7683
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Mill Creek		
TMDL Group ID:	00098		
VAV-B29R_MIC01A00	Mill Creek	ROCKINGHAM CO	Mill Creek from its confluence with Duck Run downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 4A			
Use	Impairment 2.61 MILES	TMDL Group ID	First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00098	2004 2004 Federal TMDL ID # 9468
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00098	1996 2004 Federal TMDL ID # 9468
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
VAV-B29R_MIC02A00	Mill Creek	ROCKINGHAM CO	Mill Creek from the headwaters downstream to its confluence with Duck Run.
VA Overall AU Category: 4A			
Use	Impairment 3.34 MILES	TMDL Group ID	First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00098	2004 2004 Federal TMDL ID # 9468
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00098	1996 2004 Federal TMDL ID # 9468
	Sources: Non-Point Source		
	Wildlife Other than Waterfowl		
TMDL Group ID:	00099		
VAV-B29R_MIC01A00	Mill Creek	ROCKINGHAM CO	Mill Creek from its confluence with Duck Run downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 4A			
Use	Impairment 2.61 MILES	TMDL Group ID	First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00099	1996 2004 Federal TMDL ID # 9676
	Sources: Non-Point Source		
VAV-B29R_MIC02A00	Mill Creek	ROCKINGHAM CO	Mill Creek from the headwaters downstream to its confluence with Duck Run.
VA Overall AU Category: 4A			
Use	Impairment 3.34 MILES	TMDL Group ID	First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00099	1996 2004 Federal TMDL ID # 9676
	Sources: Source Unknown		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Mill Creek		
TMDL Group ID:	00099		
TMDL Group ID:	00213		
VAV-B38R_MLC01A00	Mill Creek	PAGE CO	Mill Creek from the headwaters downstream to its confluence with South Fork Shenandoah River.
VA Overall AU Category: 4A			
Use	Impairment	6.78 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00213 1998 2004	Federal TMDL ID # 19994
Sources: Non-Point Source Wildlife Other than Waterfowl			
TMDL Watershed Name:	Moffett Creek		
TMDL Group ID:	00008		
VAV-B13R_MFT01A00	Moffett Creek	AUGUSTA CO	Moffett Creek from the headwaters downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	9.53 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00008 1996 2004	Federal TMDL ID # 7679
Sources: Wildlife Other than Waterfowl			
TMDL Group ID:	00075		
VAV-B13R_MFT01A00	Moffett Creek	AUGUSTA CO	Moffett Creek from the headwaters downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	9.53 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00075 1996 2004	Federal TMDL ID # 7678
Sources: Source Unknown			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Mossy Creek	
TMDL Group ID:		00014	
VAV-B19R_MSS01A00	Mossy Creek	AUGUSTA CO	Mossy Creek from the 5 mile upper limit for the Bridgewater Public Water Intake downstream to its confluence with North River.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	2.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00014	2004 2010 Federal TMDL ID # 1585
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00014	1996 2010 Federal TMDL ID # 1585
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
VAV-B19R_MSS02A00	Mossy Creek	AUGUSTA CO	Mossy Creek from the headwaters downstream to the 5 mile upper limit for the PWS designation for the Bridgewater Public Water Intake.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	7.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00014	2004 2010 Federal TMDL ID # 1585
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00014	1996 2010 Federal TMDL ID # 1585
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
TMDL Group ID:		00114	
VAV-B19R_MSS01A00	Mossy Creek	AUGUSTA CO	Mossy Creek from the 5 mile upper limit for the Bridgewater Public Water Intake downstream to its confluence with North River.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	2.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00114	1998 2010 Federal TMDL ID # 10673
	Sources:	Source Unknown	
		The VRO biologist assessed this station as Slightly Impaired for the 2004 assessment period but EPA requires that it be listed as impaired.  This AU was on the Plaintiffs list in 1998 even though it has always Fully Supported the Aquatic Life Use.	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<i>Potomac and Shenandoah River Basins</i>			
TMDL Watershed Name:	Mossy Creek		
TMDL Group ID:	00114		
VAV-B19R_MSS02A00	Mossy Creek	AUGUSTA CO	Mossy Creek from the headwaters downstream to the 5 mile upper limit for the PWS designation for the Bridgwater Public Water Intake.
VA Overall AU Category: 4A			
Use	Impairment	7.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00114	1998 2010 Federal TMDL ID # 10673
			The VRO biologist assessed this station as Slightly Impaired for the 2004 assessment period but EPA requires that it be listed as impaired.
			This AU was on the Plaintiffs list in 1998.
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Muddy Creek		
TMDL Group ID:	00100		
<b>VAV-B22R_MDD01A00</b>	<b>Muddy Creek</b>	<b>ROCKINGHAM CO</b>	Muddy Creek from the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake downstream to its confluence with Dry River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00100	2004 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00100	1996 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
<b>VAV-B22R_MDD02A00</b>	<b>Muddy Creek</b>	<b>ROCKINGHAM CO</b>	Muddy Creek from its confluence with War Branch downstream to the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.26 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00100	2004 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00100	1996 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
<b>VAV-B22R_MDD03A00</b>	<b>Muddy Creek</b>	<b>ROCKINGHAM CO</b>	Muddy Creek from the headwaters downstream to its confluence with War Branch.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	6.92 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00100	2004 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00100	1996 2002 Federal TMDL ID # 1589
	Sources:	Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shenandoah River Basins			
TMDL Watershed Name:		Muddy Creek	
TMDL Group ID:		00101	
VAV-B22R_MDD01A00	Muddy Creek	ROCKINGHAM CO	Muddy Creek from the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake downstream to its confluence with Dry River.
VA Overall AU Category:	4A		
Use	Impairment	2.19 MILES	TMDL Group ID
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00101	First Listed on 303(d)
		1996	TMDL Schedule
		2002	Impairment Specific Comments and/or Impairment Specific VA Category
			Federal TMDL ID # 7689
Sources: Non-Point Source			
VAV-B22R_MDD02A00	Muddy Creek	ROCKINGHAM CO	Muddy Creek from its confluence with War Branch downstream to the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake.
VA Overall AU Category:	4A		
Use	Impairment	1.26 MILES	TMDL Group ID
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00101	First Listed on 303(d)
		1996	TMDL Schedule
		2002	Impairment Specific Comments and/or Impairment Specific VA Category
			Federal TMDL ID # 7689
Sources: Non-Point Source			
VAV-B22R_MDD03A00	Muddy Creek	ROCKINGHAM CO	Muddy Creek from the headwaters downstream to its confluence with War Branch.
VA Overall AU Category:	4A		
Use	Impairment	6.92 MILES	TMDL Group ID
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00101	First Listed on 303(d)
		1996	TMDL Schedule
		2002	Impairment Specific Comments and/or Impairment Specific VA Category
			Federal TMDL ID # 7689
Sources: Non-Point Source			
TMDL Group ID:		00166	
VAV-B22R_MDD01A00	Muddy Creek	ROCKINGHAM CO	Muddy Creek from the 5 mile upper limit of the PWS designation for the Bridgewater Public Water Intake downstream to its confluence with Dry River.
VA Overall AU Category:	4A		
Use	Impairment	2.19 MILES	TMDL Group ID
Public Water Supply	Nitrogen, Nitrate	00166	First Listed on 303(d)
		2004	TMDL Schedule
		2002	Impairment Specific Comments and/or Impairment Specific VA Category
			Federal TMDL ID # 7688
Sources:			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Naked Creek		
TMDL Group ID:	00103		
VAV-B28R_NKD01A00	Naked Creek	AUGUSTA CO	Naked Creek from the headwaters downstream to its confluence with North River.
VA Overall AU Category: 4A		ROCKINGHAM CO	
Use	Impairment	6.85 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00103	2004 2002 Federal TMDL ID # 7710
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00103	1996 2002 Federal TMDL ID # 7710
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
TMDL Watershed Name:	Opequon Creek Watershed, Upper		
TMDL Group ID:	00077		
VAV-B08R_OPE01A00	Opequon Creek	FREDERICK CO	Opequon Creek and its tributaries from the headwaters downstream to its confluence with Abrams Creek.
VA Overall AU Category: 4A			
Use	Impairment	24.82 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00077	2004 2010 Federal TMDL ID # 20941
		Sources: Municipal (Urbanized High Density Area)	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name: Opequon Creek, Lower			
TMDL Group ID: 00079			
VAV-B09R_OPE01A00	Opequon Creek	FREDERICK CO	Opequon Creek from its confluence with Abrams Creek downstream to the VAWVA state line.
VA Overall AU Category: 4A			
Use	Impairment	9.12 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00079	1996 2004 Federal TMDL ID # 20941
Sources: Municipal (Urbanized High Density Area)			
Wildlife Other than Waterfowl			
TMDL Group ID: 00081			
VAV-B09R_OPE01A00	Opequon Creek	FREDERICK CO	Opequon Creek from its confluence with Abrams Creek downstream to the VAWVA state line.
VA Overall AU Category: 4A			
Use	Impairment	9.12 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00081	2004 2004 Federal TMDL ID # 20160
Sources: Municipal (Urbanized High Density Area)			
TMDL Watershed Name: Orndorff Spring Branch			
TMDL Group ID: 00088			
VAV-B52R_XOS01A00	Orndorff Spring Branch	SHENANDOAH CO	Orndorff Spring Branch from the spring downspring to its confluence with Cedar Creek.
VA Overall AU Category: 4A			
Use	Impairment	0.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00088	1998 2004 Federal TMDL ID # 9460
Sources: Industrial Point Source Discharge			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Pass Run		
TMDL Group ID:	01745		
VAV-B39R_PSS01A00	Pass Run	PAGE CO	Pass Run from the headwaters downstream to its confluence with Hawksbill Creek.
VA Overall AU Category: 4A			
Use	Impairment	9.05 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	01745 2004 2014	Federal TMDL ID # 19344
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	01745 2002 2014	Federal TMDL ID # 19344
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
TMDL Watershed Name:	Pine Run		
TMDL Group ID:	50233		
VAV-B30R_PNE01A00	Pine Run	AUGUSTA CO	Pine Run and tributaries from the headwaters downstream to its confluence with South River.
VA Overall AU Category: 4A			
Use	Impairment	15.76 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50233 2006 2004	Federal TMDL ID # 7700
		Sources: Non-Point Source	Newly listed for bacteria in 2006.
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Piney Run		
TMDL Group ID:	00023		
VAN-A01R_PIA01A00	Piney Run	LOUDOUN CO	Segment begins at the mouth of an unnamed pond on Piney Run and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 4A			
Use	Impairment	3.52 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00023	2006 2004 A bacteria TMDL for the Piney Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 19 samples - 31.6%) were recorded at DEQ's ambient water quality monitoring station (1APIA001.80) at the Route 671 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
			Segment listed as Category 4A - Federal ID 21109.
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name: Pleasant Run			
TMDL Group ID: 00105			
VAV-B27R_PLR01A00	Pleasant Run	ROCKINGHAM CO	Pleasant Run from the headwaters downstream to its confluence with North River.
VA Overall AU Category: 4A			
Use	Impairment	6.31 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00105 2004 2004	Federal TMDL ID # 9469
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00105 1996 2004	Federal TMDL ID # 9469
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	
TMDL Group ID: 00106			
VAV-B27R_PLR01A00	Pleasant Run	ROCKINGHAM CO	Pleasant Run from the headwaters downstream to its confluence with North River.
VA Overall AU Category: 4A			
Use	Impairment	6.31 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00106 1996 2004	Federal TMDL ID # 9508
		Sources: Non-Point Source	
TMDL Watershed Name: Polecat Draft			
TMDL Group ID: 00010			
VAV-B15R_PCD01A00	Polecat Draft	AUGUSTA CO	Polecat Draft and tributary from the headwaters downstream to its confluence with Middle River.
VA Overall AU Category: 4A			
Use	Impairment	7.47 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00010 1996 2004	Federal TMDL ID # 7683
		Sources: Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name: <b>Shenandoah River PCB</b>			
TMDL Group ID: <b>00104</b>			
<b>VAV-B51R_NFS02A00</b>	<b>North Fork Shenandoah River</b>	<b>WARREN CO</b>	North Fork Shenandoah River from its confluence with Passage Creek downstream to the dam at the boat ramp.
VA Overall AU Category: <b>4A</b>	Impairment	4.60 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Fish Consumption	<b>PCB in Fish Tissue</b>	00104	<b>2002</b> Federal TMDL ID # 7715
Sources: Contaminated Sediments			
TMDL Group ID: <b>00191</b>			
<b>VAV-B55R_SHN01A00</b>	<b>Shenandoah River</b>	<b>CLARKE CO</b>	Shenandoah River from the powerplant dam near Front Royal downstream to its confluence with Long Branch.
VA Overall AU Category: <b>4A</b>	Impairment	12.69 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Fish Consumption	<b>PCB in Fish Tissue</b>	00191	<b>1998</b> <b>2002</b> Federal TMDL ID # 7715
Sources: Contaminated Sediments			
<b>VAV-B57R_SHN01A00</b>	<b>Shenandoah River</b>	<b>CLARKE CO</b>	Shenandoah River from the 5 mile upper limit of the PWS designation for the Berryville Public Water Intake downstream to its confluence with Craig Run.
VA Overall AU Category: <b>4A</b>	Impairment	2.60 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Fish Consumption	<b>PCB in Fish Tissue</b>	00191	<b>1998</b> <b>2002</b> Federal TMDL ID # 7715
Sources: Contaminated Sediments			
<b>VAV-B57R_SHN02A00</b>	<b>Shenandoah River</b>	<b>CLARKE CO</b>	Shenandoah River from its confluence with Spout Run downstream to the 5 mile upper limit of the PWS designation for the Berryville Public Water Intake.
VA Overall AU Category: <b>4A</b>	Impairment	3.29 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Fish Consumption	<b>PCB in Fish Tissue</b>	00191	<b>1998</b> <b>2002</b> Federal TMDL ID # 7715
Sources: Contaminated Sediments			
<b>VAV-B57R_SHN03A00</b>	<b>Shenandoah River</b>	<b>CLARKE CO</b>	Shenandoah River from its confluence with Long Branch downstream to its confluence with Spout Run.
VA Overall AU Category: <b>4A</b>	Impairment	7.72 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Fish Consumption	<b>PCB in Fish Tissue</b>	00191	<b>1998</b> <b>2002</b> Federal TMDL ID # 7715
Sources: Contaminated Sediments			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Shenandoah River PCB		
TMDL Group ID:	00191		
VAV-B58R_SHN01A00	Shenandoah River	CLARKE CO	Shenandoah River from the Berryville Public Water Intake downstream to the VA/WVA State Line.
VA Overall AU Category: 4A			
Use	Impairment	5.71 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	00191 1998 2002	Federal TMDL ID # 7715
Sources: Contaminated Sediments			
VAV-B58R_SHN02A00	Shenandoah River	CLARKE CO	Shenandoah River from its confluence with Craig Run downstream to the Berryville Public Water Intake.
VA Overall AU Category: 4A			
Use	Impairment	2.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	00191 1998 2002	Federal TMDL ID # 7715
Sources: Contaminated Sediments			
TMDL Watershed Name:	Silver Creek		
TMDL Group ID:	01744		
VAV-B25R_SLV01A04	Silver Creek	ROCKINGHAM CO	Silver Creek from the headwaters downstream to its confluence with Sunset Heights Branch.
VA Overall AU Category: 4A			
Use	Impairment	0.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01744 2002 2004	Federal TMDL ID # 9470
Sources: Non-Point Source Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Smith Creek		
TMDL Group ID:	00028		
<b>VAV-B47R_SMT01A00</b>	<b>Smith Creek</b>	<b>SHENANDOAH CO</b>	Smith Creek from the New Market Public Water Intake downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: <b>4A</b>	Impairment	13.60 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00028	<b>1996</b> <b>2004</b> Federal TMDL ID # 21281
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B47R_SMT02A00</b>	<b>Smith Creek</b>	<b>ROCKINGHAM CO</b>	Smith Creek from its confluence with War Branch downstream to the New Market Public Water Intake.
VA Overall AU Category: <b>4A</b>	Impairment	5.28 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00028	<b>1996</b> <b>2004</b> Federal TMDL ID # 21281
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B47R_SMT03A00</b>	<b>Smith Creek</b>	<b>ROCKINGHAM CO</b>	Smith Creek from the Shenandoah Fisheries outfall downstream to its confluence with War Branch.
VA Overall AU Category: <b>4A</b>	Impairment	6.34 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00028	<b>1996</b> <b>2004</b> Federal TMDL ID # 21281
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	
<b>VAV-B47R_SMT04A00</b>	<b>Smith Creek</b>	<b>ROCKINGHAM CO</b>	Smith Creek from the headwaters downstream to the Shenandoah Fisheries outfall.
VA Overall AU Category: <b>4A</b>	Impairment	8.66 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00028	<b>1996</b> <b>2004</b> Federal TMDL ID # 21281
Recreation		Sources: Non-Point Source Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:		Smith Creek	
TMDL Group ID:		00156	
VAV-B47R_SMT01A00	Smith Creek	SHENANDOAH CO	Smith Creek from the New Market Public Water Intake downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 4A	Impairment	13.60 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00156	1998 2004 Federal TMDL ID # 21280
Sources: Source Unknown			
VAV-B47R_SMT02A00	Smith Creek	ROCKINGHAM CO	Smith Creek from its confluence with War Branch downstream to the New Market Public Water Intake.
VA Overall AU Category: 4A	Impairment	5.28 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00156	2006 2004 Federal TMDL ID # 21280
Sources: Source Unknown			
VAV-B47R_SMT03A00	Smith Creek	ROCKINGHAM CO	Smith Creek from the Shenandoah Fisheries outfall downstream to its confluence with War Branch.
VA Overall AU Category: 4A	Impairment	6.34 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00156	2004 2004 Federal TMDL ID # 21280
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	South River, Upper		
TMDL Group ID:	00011		
VAV-B30R_STH01A00	South River	AUGUSTA CO	South River from the headwaters downstream to its confluence with Stony Run.
VA Overall AU Category: 4A			
Use	Impairment	11.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00011 1996 2004	Federal TMDL ID # 7700
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
<hr/>			
TMDL Watershed Name:	Sunset Heights Branch		
TMDL Group ID:	01743		
VAV-B25R_XBU01A02	Sunset Heights Branch	HARRISONBURG CITY	Sunset Heights Branch from the headwaters downstream to its confluence with Cooks Creek.
		ROCKINGHAM CO	
VA Overall AU Category: 4A			
Use	Impairment	4.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01743 2004 2002	Federal TMDL ID # 9470
	Sources:	Non-Point Source Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Sycolin Creek		
TMDL Group ID:	00068		
<b>VAN-A08R_SYC01A00</b>	<b>Sycolin Creek</b>	<b>LOUDOUN CO</b>	Segment begins at rivermile 1.20, the boundary of the PWS designation, and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: <b>4A</b>	Impairment	1.20 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Fecal Coliform</b>		00068 1998 2003 A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septs systems and straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 19 samples - 15.8%) were recorded at DEQ's ambient water quality monitoring station (1ASYC002.03) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21970.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			
<b>VAN-A08R_SYC01B06</b>	<b>Sycolin Creek</b>	<b>LOUDOUN CO</b>	Segment begins at the confluence with an unnamed tributary to Syolin Creek, approximately 0.23 rivermile upstream from Route 643, and continues downstream until rivermile 1.20, the boundary of the PWS designation.
VA Overall AU Category: <b>4A</b>	Impairment	1.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Fecal Coliform</b>		00068 1998 2003 A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septs systems and straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 19 samples - 15.8%) were recorded at DEQ's ambient water quality monitoring station (1ASYC002.03) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21970.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Sycolin Creek		
TMDL Group ID:	00068		
<b>VAN-A08R_SYC02A02</b>	<b>Sycolin Creek</b>	<b>LOUDOUN CO</b>	Segment begins at the confluence with South Fork Sycolin Creek and continues downstream until the confluence with an unnamed tributary to Sycolin Creek, approximately 0.23 rivermile upstream from Route 643.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00068	<b>1998</b> <b>2003</b> A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septs systems and straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 7 samples - 71.4%) were recorded at DEQ's ambient water quality monitoring station (1ASYC004.93) at the Route 621 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21970.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			
<b>VAN-A08R_SYC03A02</b>	<b>Sycolin Creek</b>	<b>LOUDOUN CO</b>	Segment begins at the headwaters of Sycolin Creek and continues downstream until the confluence with South Fork Sycolin Creek.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.59 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00068	<b>1998</b> <b>2003</b> A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septs systems and straight pipes.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (1ASYC007.43) at the Route 797 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID 21970.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Potomac and Shenandoah River Basins</b>			
TMDL Watershed Name:	Sycolin Creek, South Fork		
TMDL Group ID:	00067		
<b>VAN-A08R_SFS01A02</b>	<b>South Fork Sycolin Creek</b>	LOUDOUN CO	Segment begins at the headwaters of South Fork Sycolin Creek and continues downstream until the confluence with Sycolin Creek.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.31 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>		00067 2002 2003 A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septic systems and straight pipes.
			Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1ASFS000.28) at the Route 15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
			Segment listed as Category 4A - Federal ID NA.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas		
TMDL Watershed Name:	Toms Brook		
TMDL Group ID:	00108		
<b>VAV-B50R_TMB01A00</b>	<b>Toms Brook</b>	SHENANDOAH CO	Toms Brook from the headwaters downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	7.18 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>		00108 2004 Federal TMDL ID # 21697
	Sources: Source Unknown		

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Angola Creek		
TMDL Group ID:	00035		
VAC-J06R_ANG01A00	Angola Creek	CUMBERLAND CO	Angola Creek from its headwaters to the confluence with an unnamed tributary downstream of Route 664.
VA Overall AU Category: 4A			
Use	Impairment	4.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00035 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations)	
		Wastes from Pets	
		Wildlife Other than Waterfowl	
TMDL Group ID:	00036		
VAC-J06R_ANG02A00	Angola Creek	CUMBERLAND CO	Angola Creek from an unnamed tributary downstream of Route 664 to the mouth at the Appomattox River.
VA Overall AU Category: 4A			
Use	Impairment	2.56 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00036 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations)	
		Wastes from Pets	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Appomattox River		
TMDL Group ID:	00029		
VAC-J01R_APP03A02	Appomattox River	APPOMATTOX CO	Appomattox River from Vaughan's Creek to a point 5 miles upstream of Farmville's raw water intake.
VA Overall AU Category: 4A		PRINCE EDWARD CO	
Use	Impairment	6.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00029 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
VAC-J01R_APP04A02	Appomattox River	BUCKINGHAM CO	Appomattox River from Farmville's raw water intake to a point 5 miles upstream
VA Overall AU Category: 4A		PRINCE EDWARD CO	
Use	Impairment	4.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00029 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
VAC-J01R_APP05A04	Appomattox River	CUMBERLAND CO	Farmville's raw water intake downstream to watershed boundary
VA Overall AU Category: 4A		PRINCE EDWARD CO	
Use	Impairment	9.11 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00029 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
VAC-J06R_APP05A02	Appomattox River	AMELIA CO	The portion of the Appomattox River within the watershed.
VA Overall AU Category: 4A		PRINCE EDWARD CO	
Use	Impairment	20.89 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00029 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Appomattox River		
TMDL Group ID:	00029		
<b>VAP-J07R_APP01A98</b>	<b>Appomattox River</b>	AMELIA CO POWHATAN CO	The portion of the Appomattox River within this watershed.
VA Overall AU Category: <b>4A</b>	Impairment	28.61 MILES	TMDL Group ID
Use			First Listed on 303(d)
Recreation	<b>Escherichia coli</b>	00029	<b>2006</b>
			<b>2004</b>
			Impairment Specific Comments and/or Impairment Specific VA Category
			Cat 4A: E. coli
			VAC-J01R-01
			Segment has been assessed as impaired of the Recreation Use due to fecal coliform violations since 1994. During the 2006 cycle, the TMDL was completed for E. coli and EPA approved on 8/30/2004. The segment is assessed as Cat. 4A for bacteria.
	Sources:	Agriculture	
		Non-Point Source	
<b>VAP-J10R_APP01A98</b>	<b>Appomattox River</b>	AMELIA CO CHESTERFIELD CO	The Appomattox River from river mile 53.70 downstream to the confluence of Deep Creek. The segment was extended in 2006 to incorporate VAP-J10R-APP02A04.
VA Overall AU Category: <b>4A</b>	Impairment	10.14 MILES	TMDL Group ID
Use			First Listed on 303(d)
Recreation	<b>Escherichia coli</b>	00029	<b>2006</b>
			<b>2004</b>
			Impairment Specific Comments and/or Impairment Specific VA Category
			Cat 4A: E. coli
			VAC-J01R-01
			00029 (FC)
			A TMDL Development Report for E. coli has been completed and was approved by EPA on 8/30/04. In the 2006 cycle, segment was assessed as Cat. 4A, however the EPA TMDLID code was not available.
	Sources:	Agriculture	
		Municipal Point Source Discharges	
		Non-Point Source	
Recreation	<b>Fecal Coliform</b>	00029	<b>1996</b>
			<b>2004</b>
			Impairment Specific Comments and/or Impairment Specific VA Category
			Cat 4A: E. coli
			VAC-J01R-01
			A TMDL Development Report for E. coli has been completed and was approved by EPA on 8/30/04. In the 2006 cycle, segment was assessed as Cat. 4A, however the EPA TMDLID code was not available.
	Sources:	Agriculture	
		Municipal Point Source Discharges	
		Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Briery Creek		
TMDL Group ID:	00034		
VAC-J05R_BRI01A98	Briery Creek	PRINCE EDWARD CO	Briery Creek from the Briery Creek Lake Dam to the confluence with the Bush River.
VA Overall AU Category: 4A			
Use	Impairment	10.13 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00034 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
<b>Bush River</b>			
TMDL Watershed Name:	Bush River		
TMDL Group ID:	00031		
VAC-J03R_BSR03A02	Bush River	PRINCE EDWARD CO	Bush River from Sandy River to Appomattox River
VA Overall AU Category: 4A			
Use	Impairment	0.78 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00031 2002 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
VAC-J04R_BSR02A02	Bush River	PRINCE EDWARD CO	Bush River from the confluence with Millers Creek downstream to the limit of the watershed.
VA Overall AU Category: 4A			
Use	Impairment	4.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00031 2006 2004	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Chickahominy River, Unnamed Tributary		
TMDL Group ID:	00024		
VAP-G05R_XDD01A98	Chickahominy River, UT	HANOVER CO	An unnamed tributary of the Chickahominy River from the Tysons Plant discharge to the confluence with the Chickahominy.
VA Overall AU Category: 4A			
Use	Impairment	1.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00024 1996 2004	VAP-G05R-01
			Biological monitoring of the receiving stream identified a moderately impaired benthic community downstream of the Tyson Plant (VPDES Permit No. VA0004031) discharge when compared to the benthic community immediately upstream of the discharge. This resulted in this segment being assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 1994 305(b) report. Continued monitoring resulted in a similar assessment for the 1996, 1998, 2002, and 2004 reports.
			The TMDL study for the watershed was completed during the 2006 cycle. Extensive biological and nutrient monitoring was conducted. The benthic impairment continued and a pH impairment was noted at station 2-XDD000.32 (pond). Phosphorus screening values were exceeded at multiple stations.
			The TMDL was approved by EPA on 8/05/2004 and by the SWCB on 3/15/05. The study attributed the benthic impairment to excess phosphorus and high pH. The allocation was 432.69 lbs/year of phosphorus, divided between Tysons Foods (409.35 lbs/yr) and nonpoint sources (23.34 lbs/year).
	Sources: Industrial Point Source Discharge Non-Point Source		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Chickahominy River, Unnamed Tributary		
TMDL Group ID:	90070		
VAP-G05R_XDD01A98	Chickahominy River, UT	HANOVER CO	An unnamed tributary of the Chickahominy River from the Tysons Plant discharge to the confluence with the Chickahominy.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	pH		90070 2006 2004 VAP-G05R-01
			<p>Biological monitoring of the receiving stream identified a moderately impaired benthic community downstream of the Tyson Plant (VPDES Permit No. VA0004031) discharge when compared to the benthic community immediately upstream of the discharge. This resulted in this segment being assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 1994 305(b) report. Continued monitoring resulted in a similar assessment for the 1996, 1998, 2002, and 2004 reports.</p> <p>The TMDL study for the watershed was completed during the 2006 cycle. Extensive biological and nutrient monitoring was conducted. The benthic impairment continued and a pH impairment was noted at stations 2-XDD000.32 and 2-XDD000.40. Phosphorus screening values were exceeded at multiple stations. The chlorophyll A screening was exceeded at 2-XDD000.40 and 2-XDD000.32 as well.</p> <p>The TMDL was approved by EPA on 8/05/2004 and by the SWCB on 3/15/05. The study attributed the benthic impairment to excess phosphorus and high pH. The allocation was 432.69 lbs/year of phosphorus, divided between Tysons Foods (409.35 lbs/yr) and nonpoint sources (23.34 lbs/year).</p>
	Sources:	Industrial Point Source Discharge Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Deep Creek		
TMDL Group ID:	00041		
VAP-J11R_DPC01B00	Deep Creek	AMELIA CO	Deep Creek from Cellars Creek to the confluence with Beaverpond Creek. Segment length increased in 2006.
VA Overall AU Category: 4A			
Use	Impairment	11.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00041	2006 2004 Cat 4A: E. coli
			00041 (FC)
			VAP-J11R-01
			Deep Creek was initially assessed for fecal coliform in 2002. In the 2006 cycle, the bacteria impairment switched to E. coli.
			Bacteria TMDL for Deep Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture		
	Municipal Point Source Discharges		
	Non-Point Source		
VAP-J11R_DPC02A00	Deep Creek	NOTTOWAY CO	Deep Creek from its confluence with Winningham Creek downstream to the confluence with Little Creek. Segment shortened during 2006.
VA Overall AU Category: 4A			
Use	Impairment	5.54 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00041	2004 2004 Cat 4A: E. coli
			00041 (FC)
			VAP-J11R-02
			Bacteria TMDL for Deep Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
			This segment was not specifically addressed in the TMDL report, however the TMDL required a 99% reduction of all anthropogenic sources of fecal coliform in the entire Deep Creek watershed.
	Sources: Agriculture		
	Municipal Point Source Discharges		
	Non-Point Source		



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Flat Creek		
TMDL Group ID:	00039		
VAP-J08R_FLA01A00	Flat Creek	AMELIA CO	Flat Creek from the confluence with Nibbs Creek to the mouth at the Appomattox River.
VA Overall AU Category: 4A			
Use	Impairment	3.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00039 2006 2004	VAP-J08R-01 00039 (FC)
			Flat Creek was initially assessed for fecal coliform in 1994. In the current cycle, the bacteria impairment switched to E. coli.
			Bacteria TMDL for Flat Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture		
	Municipal Point Source Discharges		
	Non-Point Source		
TMDL Watershed Name:	Fourmile Creek		
TMDL Group ID:	00051		
VAP-G02R_FOM01A02	Fourmile Creek	HENRICO CO	The Fourmile Creek watershed below rivermile 5.57.
VA Overall AU Category: 4A			
Use	Impairment	25.20 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00051 2006 2004	VAP-G02R-01
			The segment was assessed as not supporting of the Recreation use support goal based on an E. coli standard violation rate of 5/20 at the Route 5 bridge (2-FOM003.60). The segment was initially considered threatened in 1998 and downgraded to impaired in 2002 due to fecal coliform violations; the TMDL was due in 2014. The bacteria standard has not converted to E. coli. The bacteria TMDL for the Fourmile Creek watershed was completed and approved by EPA on 9/20/2004. The segment will be assessed as Cat. 4A.
	Sources: Non-Point Source		
	Urban Runoff/Storm Sewers		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Horsepen Creek		
TMDL Group ID:	00037		
VAC-J06R_HRP01A00	Horsepen Creek	CUMBERLAND CO	Horsepen Creek from its headwaters to the mouth at Big Guinea Creek.
VA Overall AU Category: 4A			
Use	Impairment	3.82 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00037 2006 2004	Category 4A
Sources: Livestock (Grazing or Feeding Operations)			
Wildlife Other than Waterfowl			
<b>Little Sandy Creek</b>			
TMDL Watershed Name:	Little Sandy Creek		
TMDL Group ID:	00032		
VAC-J03R_LIT01A02	Little Sandy Creek	PRINCE EDWARD CO	Little Sandy Creek from headwaters to Sandy River Reservoir
VA Overall AU Category: 4A			
Use	Impairment	6.18 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00032 2006 2004	Category 4A
Sources: Livestock (Grazing or Feeding Operations)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			
<b>Looney Creek</b>			
TMDL Watershed Name:	Looney Creek		
TMDL Group ID:	00022		
VAW-I26R_LMC01A00	Looney Creek	BOTETOURT CO	Looney Creek mainstem from the confluence of Mill and Back Creeks downstream to its mouth on the James River.
VA Overall AU Category: 4A			
Use	Impairment	2.48 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00022 2006 2004	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Looney Creek Bacteria TMDL Load Duration Study complete with US EPA approval 06/21/2004; Fed ID: 20103. SWCB approved 12/02/2004. VAW-I26R-01.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Moores Creek		
TMDL Group ID:	00112		
VAV-H28R_MSC01A00	Moores Creek	ALBEMARLE CO	Moores Creek from its confluence with the Ragged Mountain Dam receiving stream downstream to its confluence with the Rivanna River.
VA Overall AU Category: 4A		CHARLOTTESVILLE CITY	
Use	Impairment	6.36 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00112 2002 2004	Federal TMDL ID # Not assigned
	Sources:	Municipal (Urbanized High Density Area)	
		Non-Point Source	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Nibbs Creek		
TMDL Group ID:	00040		
VAP-J09R_NBB01A98	Nibbs Creek	AMELIA CO	Nibbs Creek from the Amelia Courthouse STP to the confluence with Flat Creek. Segment also includes an UT to Nibbs Creek from station 2-XQK000.15 (Hog Farm station PL-43B).
VA Overall AU Category: 4A			
Use	Impairment	5.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00040	2006 2010 Cat 4A: E. coli VAP-J09R-01 00040 (FC) Nibbs Creek was initially impaired for fecal coliform in 2002. In the 2006 cycle, E. coli. was added as an impairing cause. Bacteria TMDL for Nibbs Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A for recreation use, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture Municipal Point Source Discharges Non-Point Source		
Recreation	Fecal Coliform	00040	1998 2010 Cat 4A: E. coli VAP-J09R-01 00040 (FC) Nibbs Creek was initially impaired for fecal coliform in 2002. In the 2006 cycle, E. coli. was added as an impairing cause. Bacteria TMDL for Nibbs Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A for recreation use, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture Municipal Point Source Discharges Non-Point Source		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
James River Basin			
TMDL Watershed Name:	Pheasanty Run		
TMDL Group ID:	00090		
VAV-I14R_PTY01A00	Pheasanty Run	BATH CO	Pheasanty Run from the Coursey Springs Fish Farm discharge downstream to its confluence with the Cowpasture River.
VA Overall AU Category: 4A	Use	Impairment	0.43 MILES
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID	First Listed on 303(d)
		00090	1998
		TMDL Schedule	2002
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Federal TMDL ID # 21069	
Sources: Industrial Point Source Discharge			
TMDL Watershed Name:	Reed Creek, Lower		
TMDL Group ID:	00017		
VAW-H01R_RED01A00	Reed Creek Lower	BEDFORD CO	Reed Creek mainstem from its mouth on the James River upstream to the intersection of State Routes 638 and 764.
VA Overall AU Category: 4A	Use	Impairment	12.27 MILES
Recreation	Escherichia coli	TMDL Group ID	First Listed on 303(d)
		00017	2004
		TMDL Schedule	2004
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Category 4A. Reed Creek Bacteria TMDL Load Duration Study US EPA approved 6/21/2004; Fed. ID. 7763 / 21565. SWCB approved 12/02/2004. VAW-H01R-01.	
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			
TMDL Watershed Name:	Saylers Creek		
TMDL Group ID:	00038		
VAC-J06R_SYL01A98	Saylers Creek	AMELIA CO	Saylers Creek from the Appomattox/Nottoway County line to its confluence with the Appomattox River.
		PRINCE EDWARD CO	
VA Overall AU Category: 4A	Use	Impairment	4.96 MILES
Recreation	Escherichia coli	TMDL Group ID	First Listed on 303(d)
		00038	2004
		TMDL Schedule	2004
		Impairment Specific Comments and/or Impairment Specific VA Category	
		Category 4A	
Sources: Livestock (Grazing or Feeding Operations)			
Wastes from Pets			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Spring Creek		
TMDL Group ID:	00030		
VAC-J02R_SPA01A02	Spring Creek	PRINCE EDWARD CO	Spring Creek from the confluence with Mud Creek to Buffalo Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.50 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00030 2006	2004 Category 4A
	Sources:	Livestock (Grazing or Feeding Operations)	
		Wastes from Pets	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Swift Creek		
TMDL Group ID:	00045		
VAP-J16R_SFT01A00	Swift Creek	CHESTERFIELD CO	Swift Creek from the confluence with Turkey Creek downstream to the limit of Swift Creek Reservoir.
VA Overall AU Category: 4A			
Use	Impairment	1.61 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00045	2006 2004 Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.  Swift Creek was initially assessed for fecal coliform in 2002 . In the 2006 cycle, the bacteria impairment switched to E. coli.  During the 2006 cycle, the violation rate for E. coli was 4/22 at 2-SFT036.00.
	Sources: Agriculture Non-Point Source		
Recreation	Fecal Coliform	00045	2002 2004 Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.  Swift Creek was initially assessed for fecal coliform in 2002 . In the 2006 cycle, the bacteria impairment switched to E. coli.  During the 2006 cycle, the violation rate for E. coli was 4/22 at 2-SFT036.00.
	Sources: Agriculture Non-Point Source		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Swift Creek		
TMDL Group ID:	00046		
VAP-J17R_SFT01C98	Swift Creek	CHESTERFIELD CO	Swift Creek from the Lakeview Dam to the confluence with Timsbury Creek.
VA Overall AU Category: 4A		COLONIAL HEIGHTS CITY	
Use	Impairment	4.00 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00046	2006 2004 Cat 4A: E. coli
			00046 (FC)
			VAP-J17R-02
			Swift Creek was initially assessed for fecal coliform in 2002. During the 2006 cycle, the bacteria parameter switched to E. coli.
			In 2006, this segment was not supporting due to an E. coli violation rate of 2/12 at 2-SFT004.92.
			Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture		
	Municipal Point Source Discharges		
	Non-Point Source		
Recreation	Fecal Coliform	00046	2002 2004 Cat 4A: E. coli
			00046 (FC)
			VAP-J17R-02
			Swift Creek was initially assessed for fecal coliform in 2002. During the 2006 cycle, the bacteria parameter switched to E. coli.
			In 2006, this segment was not supporting due to an E. coli violation rate of 2/12 at the Rt. 1 bridge, 2-SFT004.92.
			Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
	Sources: Agriculture		
	Municipal Point Source Discharges		
	Non-Point Source		



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Tuckahoe Creek and Tributaries		
TMDL Group ID:	00054		
VAP-H39R_BOD01A00	Broad Branch	GOOCHLAND CO	Broad Branch from its headwaters to the confluence with Tuckahoe Creek.
VA Overall AU Category: 4A			
Use	Impairment	2.12 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00054	2004 2004 VAP-H39R-02
<p>The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A. However, Anderson Branch is considered not assessed for fecal coliform.</p> <p>Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source</p>			
VAP-H39R_DPR01A00	Deep Run	HENRICO CO	Deep Run from its headwaters to the pond at river mile 1.47.
VA Overall AU Category: 4A			
Use	Impairment	4.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00054	2002 2004 Category 4A
<p>VAP-H39R-02</p> <p>The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A.</p> <p>Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source</p>			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*			Assessment Unit Description
James River Basin					
TMDL Watershed Name:		Tuckahoe Creek and Tributaries			
TMDL Group ID:		00054			
Recreation	Fecal Coliform	00054	2002	2004	VAP-H39R-02
The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A.					
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)					
Industrial Point Source Discharge					
Non-Point Source					
VAP-H39R_DPR02A00	Deep Run	HENRICO CO		Deep Run from the dam at river mile 1.47 to the confluence with Tuckahoe Creek.	
VA Overall AU Category: 4A	Impairment	1.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule
Use	Fecal Coliform		00054	2004	2004
Recreation					Category 4A
VAP-H39R-02					
The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A.					
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)					
Industrial Point Source Discharge					
Non-Point Source					

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Tuckahoe Creek and Tributaries		
TMDL Group ID:	00054		
VAP-H39R_LIY01A00	Little Tuckahoe Creek	GOOCHLAND CO	Little Tuckahoe Creek from its headwaters to the confluence with Tuckahoe Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.64 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00054	2002 2004 Category 4A
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Little Tuckahoe Creek remains impaired for E. coli with a violation rate of 13/23 at 2-LIY001.73 and is assessed as Cat. 4A.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source	
VAP-H39R_TKO01A98	Tuckahoe Creek	GOOCHLAND CO	Tuckahoe Creek from the headwaters to the confluence with Little Tuckahoe Creek.
VA Overall AU Category: 4A			
Use	Impairment	7.48 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00054	2006 2004 Category 4A
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*			Assessment Unit Description
<i>James River Basin</i>					
TMDL Watershed Name:	Tuckahoe Creek and Tributaries				
TMDL Group ID:	00054				
Recreation	Fecal Coliform	00054	2004	2004	Category 4A  VAP-H39R-02  The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A.  Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source
VAP-H39R_TKO03A98	Tuckahoe Creek	GOOCHLAND CO			Confluence with Little Tuckahoe Creek to mouth at James River.  Segment was extended during the 2006 cycle and merged with VAP-H39R_TKO02A98
VA Overall AU Category:		HENRICO CO			
Use	Impairment	8.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule
Recreation	Fecal Coliform		00054	1998	2010
					Category 4A  VAP-H39R-02  The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Tuckahoe Creek remains impaired for fecal coliform and is assessed as Cat. 4A.  Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Tuckahoe Creek and Tributaries		
TMDL Group ID:	00054		
VAP-H39R_XHP01A04	UT to XCZ (UT to Tuckahoe Creek)	GOOCHLAND CO	Mainstem
VA Overall AU Category: 4A			
Use	Impairment	1.69 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00054	2006 2018 VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. All segments with bacteria impairments are considered Cat. 4A.
		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)	
		Industrial Point Source Discharge	
		Non-Point Source	
Recreation	Fecal Coliform	00054	2006 2018 Category 4A
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. All segments with bacteria impairments are considered Cat. 4A.
		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)	
		Industrial Point Source Discharge	
		Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Tuckahoe Creek Watershed		
TMDL Group ID:	00054		
VAP-H39R_BOD01A00	Broad Branch	GOOCHLAND CO	Broad Branch from its headwaters to the confluence with Tuckahoe Creek.
VA Overall AU Category: 4A	Impairment 2.12 MILES	TMDL Group ID 00054	First Listed on 303(d) 2004
Use Recreation	Fecal Coliform	TMDL Schedule 2004	Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A. However, Anderson Branch is considered not assessed for fecal coliform.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source	
VAP-H39R_TKO03A98	Tuckahoe Creek	GOOCHLAND CO	Confluence with Little Tuckahoe Creek to mouth at James River.
			Segment was extended during the 2006 cycle and merged with VAP-H39R_TKO02A98
VA Overall AU Category: 4A	Impairment 8.73 MILES	TMDL Group ID 00054	First Listed on 303(d) 1998
Use Recreation	Fecal Coliform	TMDL Schedule 2010	Impairment Specific Comments and/or Impairment Specific VA Category
			Category 4A
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Tuckahoe Creek remains impaired for fecal coliform and is assessed as Cat. 4A.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Industrial Point Source Discharge Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	Tuckahoe Creek Watershed		
TMDL Group ID:	00054		
VAP-H39R_XHP01A04	UT to XCZ (UT to Tuckahoe Creek)	GOOCHLAND CO	Mainstem
VA Overall AU Category: 4A			
Use	Impairment	1.69 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00054	2006 2018 VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. All segments with bacteria impairments are considered Cat. 4A.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4)	
		Industrial Point Source Discharge	
		Non-Point Source	
Recreation	Fecal Coliform	00054	2006 2018 Category 4A
			VAP-H39R-02
			The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. All segments with bacteria impairments are considered Cat. 4A.
	Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4)	
		Industrial Point Source Discharge	
		Non-Point Source	
<b>Wallace Mill Stream</b>			
TMDL Watershed Name:	Wallace Mill Stream		
TMDL Group ID:	00091		
VAV-I32R_XMO01A00	Wallace Mill Stream	AUGUSTA CO	Wallace Mill Stream from the Castaline Trout Farm discharge downstream to its confluence with the Little Calfpasture River.
VA Overall AU Category: 4A			
Use	Impairment	1.89 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00091	1998 2004 Federal TMDL ID # 18103
	Sources:	Industrial Point Source Discharge	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	West Creek		
TMDL Group ID:	00042		
VAP-J11R_WET02A00	West Creek	AMELIA CO	West Creek from the confluence with Tanners Branch downstream to the confluence with Deep Creek.
VA Overall AU Category: 4A			
Use	Impairment	7.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		00042 2006 2004 Cat 4A: E. coli VAP-J11R-06  West Creek was initially assessed for fecal coliform in 2002 In the 2006 cycle, the bacteria impairment switched to E. coli.  Bacteria TMDL for Deep Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.  During the 2006 cycle, there was an E. coli violation rate of 3/19 at station 2-WET004.96.
		Sources: Agriculture Municipal Point Source Discharges Non-Point Source	
Recreation	Fecal Coliform		00042 2002 2004 Cat 4A: E. coli VAP-J11R-06  West Creek was initially assessed for fecal coliform in 2002 In the 2006 cycle, the bacteria impairment switched to E. coli.  Bacteria TMDL for Deep Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed at Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.  During the 2006 cycle, there was an E. coli violation rate of 3/19 at station 2-WET004.96.
		Sources: Agriculture Municipal Point Source Discharges Non-Point Source	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:	White Oak Swamp		
TMDL Group ID:	00053		
VAP-G06R_WOS01A98	White Oak Swamp	HENRICO CO	White Oak Swamp from White Oak Swamp Creek to its mouth at the Chickahominy River.
VA Overall AU Category: 4A			
Use	Impairment	6.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00053 2006	2004 Category 4A
			VAP-G06R-03
			White Oak Swamp was assessed not supporting of the Recreation use support goal based on a E. coli standard violation rate of 6/12 recorded at 2-WOS002.69. The segment had previously been considered impaired for fecal coliform; during the 2006 cycle, the standard converted to E. coli. The Bacteria TMDL for White Oak Swamp was completed and approved by EPA on 9/20/2004. White Oak Swamp is considered a Cat. 4A water for bacteria.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Non-Point Source			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>James River Basin</b>			
TMDL Watershed Name:		Willis River and Tributaries	
TMDL Group ID:		00113	
VAC-H35R_WLS01A04	Willis River	BUCKINGHAM CO	Willis River from its headwaters to Tounge Quarter Creek
VA Overall AU Category: 4A	Impairment	11.42 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Fecal Coliform	00113	2004 2002 Category 4A - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)
Sources: Non-Point Source			
VAC-H36R_RND01A00	Randolph Creek	BUCKINGHAM CO CUMBERLAND CO	Randolph Creek from the headwaters to the upstream limit of Sports Lake.
VA Overall AU Category: 4A	Impairment	11.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Escherichia coli	00113	2006 2002 Category 4A - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)
Sources: Non-Point Source			
Recreation	Fecal Coliform	00113	2002 2002 Category 4A - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)
Sources: Non-Point Source			
VAC-H36R_WLS01A00	Willis River	CUMBERLAND CO	The Willis River from the Buffalo Creek confluence to its mouth at the James River
VA Overall AU Category: 4A	Impairment	31.26 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Escherichia coli	00113	2006 2002 Category 4A - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)
Sources: Non-Point Source			
Recreation	Fecal Coliform	00113	1996 2002 Category 4A - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)
Sources: Non-Point Source			

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Carter Run		
TMDL Group ID:	00148		
VAN-E02R_CAE01A00	Carter Run	FAUQUIER CO	Segment begins at the confluence with South Run and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00148	<b>1998</b> <b>2005</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 19 samples - 36.8%) were recorded at DEQ's ambient water quality monitoring station (3-CAE000.25) at a private road off of Route 688 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was first listed for a fecal coliform bacteria in 1998.  A fecal coliform TMDL for the Carter Run watershed was approved by the U.S. EPA on March 10, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems.  Segment listed as Category 4A - Federal ID 18093.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Deep Run		
TMDL Group ID:	00109		
VAN-E10R_DPR01A00	Deep Run	FAUQUIER CO	Segment begins at the confluence with Green Branch, at rivermile 4.75, and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: 4A		STAFFORD CO	
Use	Impairment	4.83 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00109	1996 2004 Sufficient exceedances of the instantaneous E.coli bacteria criterion (10 of 22 samples - 45.4%) were recorded at DEQ's ambient water quality monitoring station (3-DPR001.70) at the Route 17 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment.
			A bacteria TMDL for the Deep Run watershed was submitted to the U.S. EPA and approved May 26, 2004. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pasture or forest, human contributions from straight pipes and failing septic systems, and biosolid application.
			Segment listed as Category 4A - Federal ID 18306.
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Great Run		
TMDL Group ID:	00149		
VAN-E02R_GRT01A00	Great Run	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Great Run, approximately 1.0 rivermile upstream of Route 687, and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.76 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00149	<b>2004</b> <b>2005</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 19 samples - 26.3%) were recorded at DEQ's ambient water quality monitoring station (3-GRT001.70) at the Route 687 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  A bacteria TMDL for the Great Run watershed was submitted to the U.S. EPA and approved March 10, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems. The segment was previously listed for fecal coliform and E.coli bacteria impairments in 2004.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Great Run		
TMDL Group ID:	00149		
<b>VAN-E02R_GRT02A04</b>	<b>Great Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence of an unnamed tributary to Great Run, at approximately rivermile 5.5, and continues downstream until the confluence with an unnamed tributary to Great Run, approximately 1.0 rivermile upstream of Route 687.
VA Overall AU Category: <b>4A</b>	Impairment	2.72 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>	00149	<b>2004</b> <b>2005</b> A bacteria TMDL for the Great Run watershed was submitted to the U.S. EPA and approved March 10, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems. A downstream segment was previously listed for fecal coliform and E.coli bacteria impairments in 2004.  Segment listed as Category 4A - Federal ID NA.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl		
<b>VAN-E02R_GRT03A02</b>	<b>Great Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with an unnamed tributary to Great Run at rivermile 7.20, approximately 0.6 rivermile downstream from Route 802, and continues downstream until the confluence with another unnamed tributary, at approximately rivermile 5.5.
VA Overall AU Category: <b>4A</b>	Impairment	1.43 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>	00149	<b>2004</b> <b>2005</b> A bacteria TMDL for the Great Run watershed was submitted to the U.S. EPA and approved March 10, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems. A downstream segment was previously listed for fecal coliform and E.coli bacteria impairments in 2004.  Segment listed as Category 4A - Federal ID NA.
	Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Great Run		
TMDL Group ID:	00149		
<b>VAN-E02R_GRT04A04</b>	<b>Great Run</b>	<b>FAUQUIER CO</b>	Segment begins at the headwaters of Great Run and continues downstream until the confluence with an unnamed tributary to Great Run (streamcode XAC), at rivermile 7.20.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	8.78 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00149	<b>2004</b> <b>2005</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (9 of 19 samples - 47.4%) were recorded at DEQ's ambient water quality monitoring station (3-GRT007.72) at the Route 802 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was first listed for a bacterial impairment in 2004.  A bacteria TMDL for the Great Run watershed was submitted to the U.S. EPA and approved March 10, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes and failing septic systems.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Little Dark Run		
TMDL Group ID:	00215		
<b>VAN-E15R_LDR01A00</b>	<b>Little Dark Run</b>	<b>MADISON CO</b>	Segment begins at the confluence with an unnamed tributary to Little Dark Run, at rivermile 2.17, and continues downstream until the confluence with Dark Run.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00215	<b>2006</b> <b>2005</b> A bacteria TMDL for the Little Dark Run watershed was submitted to the U.S. EPA and approved December 12, 2005. Nonpoint sources of fecal coliform are primarily agricultural (i.e., land-applied animal waste, manure deposited directly on pastures by livestock, and a significant fecal coliform load due to cattle directly depositing manure in streams) with a significant load applied to residential and forest land use categories. Non-agricultural anthropogenic nonpoint sources of fecal coliform loadings include straight pipes, failing septic systems, and pet waste. Wildlife contributes to fecal coliform loadings on all land uses, according to the acceptable habitat range for each species.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 12 samples - 41.7%) were recorded at DEQ's special study monitoring station (3-LDR000.70) at the Route 680 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Little Dark Run		
TMDL Group ID:	00215		
<b>VAN-E15R_LDR02A02</b>	<b>Little Dark Run</b>	<b>MADISON CO</b>	Segment begins at the headwaters of Little Dark Run and continues downstream until the confluence with an unnamed tributary to Little Dark Run, at rivermile 2.17.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.27 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00215	<b>1998</b> <b>2005</b> A bacteria TMDL for the Little Dark Run watershed was submitted to the U.S. EPA and approved December 12, 2005. Nonpoint sources of fecal coliform are primarily agricultural (i.e., land-applied animal waste, manure deposited directly on pastures by livestock, and a significant fecal coliform load due to cattle directly depositing manure in streams) with a significant load applied to residential and forest land use categories. Non-agricultural anthropogenic nonpoint sources of fecal coliform loadings include straight pipes, failing septic systems, and pet waste. Wildlife contributes to fecal coliform loadings on all land uses, according to the acceptable habitat range for each species.  Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient monitoring station (3-LDR003.19) at the Route 634 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Mine Run		
TMDL Group ID:	00218		
VAN-E17R_MIR01A00	Mine Run	ORANGE CO	Segment begins at the confluence with Cormack Run, approximately 0.6 rivermile upstream of Route 20, and continues downstream until the confluence with the Rapidan River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	9.95 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00218	<b>2006</b> <b>2005</b> A bacteria TMDL for the Mine Run watershed was submitted to the U.S. EPA and approved November 15, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes and failing septic systems, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 15 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-MIR004.05) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform, beginning in 2002.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Mountain Run		
TMDL Group ID:	00217		
<b>VAN-E17R_MTR01A00</b>	<b>Mountain Run</b>	<b>ORANGE CO</b>	Segment begins at the confluence with Mill Run, approximately 0.25 rivermile downstream of Route 617, and continues downstream until the confluence with Mine Run.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	9.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00217	<b>2006</b> <b>2005</b> A bacteria TMDL for the Mountain Run watershed was submitted to the U.S. EPA and approved November 15, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes and failing septic systems, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 18 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-MTR003.51) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform, beginning in 2002.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Muddy Run		
TMDL Group ID:	00003		
VAN-E07R_MUU01A00	Muddy Run	CULPEPER CO	Segment begins at the confluence with an unnamed tributary to Muddy Run, approximately 0.2 rivermile upstream of Route 229, and continues downstream until the confluence with the Hazel River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00003	<b>2004</b> <b>2004</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 16 samples - 43.8%) were recorded at DEQ's special study monitoring station (3-MUU000.82) at the Route 625 bridge and (8 of 17 samples - 47.0%) were recorded at DEQ's special study monitoring station (3-MUU004.98) at the Route 630 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for bacterial impairments; fecal coliform bacteria impairment, first listed in 1996, and E.coli bacteria impairment, first listed in 2004.  A bacteria TMDL for the Muddy Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet and livestock waste delivered directly to the stream and via pastureland, human contributions from straight pipes and failing septic systems, and from the application of biosolids.  Segment listed as Category 4A - Federal ID 20430.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Muddy Run		
TMDL Group ID:	00003		
VAN-E07R_MUU02A02	Muddy Run	CULPEPER CO	Segment begins at the headwaters of Muddy Run and continues downstream until the confluence with an unnamed tributary to Muddy Run, approximately 0.2 rivermile upstream of Route 229.
VA Overall AU Category: 4A			
Use	Impairment	7.03 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00003	2006 2004 Sufficient exceedances of the instantaneous E.coli bacteria criterion (9 of 13 samples - 69.2%) were recorded at DEQ's special study monitoring station (3-MUU008.52) at the Route 632 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was first listed for a fecal coliform bacteria impairment in 2002.
			A bacteria TMDL for the Muddy Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet and livestock waste delivered directly to the stream and via pastureland, human contributions from straight pipes and failing septic systems, and from the application of biosolids.
			Segment listed as Category 4A - Federal ID 20430.
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Muddy Run		
TMDL Group ID:	00003		
Recreation	Fecal Coliform	00003	<p><b>2002</b></p> <p><b>2004</b></p> <p>Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 - 42.8%) were recorded at DEQ's ambient water quality monitoring station (3-MUU010.72) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was first listed for a fecal coliform bacteria impairment in 2002.</p> <p>A bacteria TMDL for the Muddy Run watershed was submitted to the U.S. EPA and approved July 6, 2004. The sources of bacteria requiring reductions are pet and livestock waste delivered directly to the stream and via pastureland, human contributions from straight pipes and failing septic systems, and from the application of biosolids.</p> <p>Segment listed as Category 4A - Federal ID 20430.</p>
	Sources:	<ul style="list-style-type: none"> <li>Grazing in Riparian or Shoreline Zones</li> <li>Impacts from Land Application of Wastes</li> <li>Livestock (Grazing or Feeding Operations)</li> <li>Runoff from Forest/Grassland/Parkland</li> <li>Sewage Discharges in Unsewered Areas</li> <li>Wastes from Pets</li> <li>Waterfowl</li> <li>Wildlife Other than Waterfowl</li> </ul>	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Robinson River		
TMDL Group ID:	00216		
VAN-E15R_ROB01A00	Robinson River	CULPEPER CO	Segment begins at the confluence with White Oak Run, at rivermile 5.18, and continues downstream until the confluence with the Rapidan River.
VA Overall AU Category: 4A		MADISON CO	
Use	Impairment	5.18 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		00216 2006 2005 A bacteria TMDL for the Robinson River watershed was submitted to the U.S. EPA and approved December 12, 2005. Nonpoint sources of fecal coliform are primarily agricultural (i.e., land-applied animal waste, manure deposited directly on pastures by livestock, and a significant fecal coliform load due to cattle directly depositing manure in streams) with a significant load applied to residential and forest land use categories. Non-agricultural anthropogenic nonpoint sources of fecal coliform loadings include straight pipes, failing septic systems, and pet waste. Wildlife contributes to fecal coliform loadings on all land uses, according to the acceptable habitat range for each species.
			Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 13 samples - 53.8%) were recorded at DEQ's ambient water quality monitoring station (3-ROB001.90) at the Route 614 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.
			Segment listed as Category 4A - Federal ID NA.
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Robinson River		
TMDL Group ID:	60091		
<b>VAN-E14R_ROB01B06</b>	<b>Robinson River</b>	<b>MADISON CO</b>	Segment begins at the Route 231 crossing, rivermile 21.58, and continues downstream until the confluence with Leathers Run.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.77 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	60091	<b>2006</b> <b>2005</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 21 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (3-ROB017.24) at the Route 638 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
			A bacteria TMDL for the Robinson River watershed was submitted to the U.S. EPA and approved December 12, 2005. Nonpoint sources of fecal coliform are primarily agricultural (i.e., land-applied animal waste, manure deposited directly on pastures by livestock, and a significant fecal coliform load due to cattle directly depositing manure in streams) with a significant load applied to residential and forest land use categories. Non-agricultural anthropogenic nonpoint sources of fecal coliform loadings include straight pipes, failing septic systems, and pet waste. Wildlife contributes to fecal coliform loadings on all land uses, according to the acceptable habitat range for each species.
			Segment listed as Category 4A - Federal ID NA.
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Thumb Run		
TMDL Group ID:	00111		
VAN-E01R_THM01A02	Thumb Run, East Branch	FAUQUIER CO	Segment begins at the headwaters of East Branch Thumb Run and continues downstream until the confluence of East Branch to the mainstem Thumb Run.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00111	<b>2004</b> <b>2002</b> A fecal coliform TMDL for the Thumb Run watershed was developed and submitted to the U.S. EPA on April 29, 2002 and approved on May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes. The data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 8 samples - 12.5%) shows it is categorized as having insufficient information with which to determine use support. No additional data has been collected from the DEQ's ambient water quality monitoring station (3-THM001.40) at Route 635 since the previous assessment window, when the stream reach was first listed as impaired. The segment shall remain categorized as impaired.
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Thumb Run		
TMDL Group ID:	00111		
<b>VAN-E01R_THU01A00</b>	<b>Thumb Run</b>	FAUQUIER CO	Segment begins at the confluence of West Branch Thumb Run and East Branch Thumb Run and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	6.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00111	<b>1996</b> <b>2002</b> A fecal coliform TMDL for the Thumb Run watershed was developed and submitted to the U.S. EPA on April 29, 2002 and approved on May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes. Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%), it is categorized as having insufficient information with which to determine use support. Very little data has been collected from the DEQ's ambient water quality monitoring station (3-THU004.69) at Route 688 since the previous assessment window. The segment shall remain categorized as impaired.
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Thumb Run		
TMDL Group ID:	00111		
<b>VAN-E01R_THW01A02</b>	<b>Thumb Run, West Branch</b>	<b>FAUQUIER CO</b>	Segment starts at the headwaters of West Branch Thumb Run and continues downstream until the confluence of West Branch to the mainstem Thumb Run.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	10.10 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00111	<b>2002</b> <b>2002</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (6 of 11 samples - 54.5%) were recorded at DEQ's ambient water quality monitoring station (3-THW004.68) at the Route 635 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment in 2002.  A fecal coliform TMDL for the Thumb Run watershed was developed and submitted to the U.S. EPA on April 29, 2002 and approved on May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes.  Segment listed as Category 4A - Federal ID 21655.
Sources: Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl			

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Big Otter River		
TMDL Group ID:	00116		
<b>VAC-L28R_BOR01A00</b>	<b>Big Otter River</b>	<b>CAMPBELL CO</b>	Big Otter River mainstem from the mouth of Flat Creek downstream to Big Otter River confluence with the Roanoke (Staunton) River.
VA Overall AU Category: <b>4A</b>	Impairment	9.40 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00116 <b>1998</b> <b>2001</b>	Category 4A - EPA TMDL ID 9485 (Fecal Coliform)
Recreation		Sources: Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wildlife Other than Waterfowl	
<b>VAC-L28R_BOR02A00</b>	<b>Big Otter River</b>	<b>CAMPBELL CO</b>	Big Otter River mainstem from the Campbell County USA Otter River WTP downstream to mouth of Flat Creek.
VA Overall AU Category: <b>4A</b>	Impairment	2.20 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00116 <b>1998</b> <b>2001</b>	Category 4A - EPA TMDL ID 9485 (Fecal Coliform)
Recreation		Sources: Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wildlife Other than Waterfowl	
<b>VAC-L28R_BOR03A00</b>	<b>Big Otter River</b>	<b>CAMPBELL CO</b>	Big Otter River mainstem from the Buffalo Creek mouth on Big Otter River downstream to the Campbell County USA Otter River WTP.
VA Overall AU Category: <b>4A</b>	Impairment	2.38 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00116 <b>1998</b> <b>2001</b>	Category 4A - EPA TMDL ID 9485 (Fecal Coliform)
Recreation		Sources: Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Big Otter River and Elk Creek		
TMDL Group ID:	00118		
<b>VAW-L24R_NOT01A02</b>	<b>North Otter Creek</b>	<b>BEDFORD CO</b>	North Otter Creek from the Rt. 122 crossing at Coltons Mill downstream to the North Otter Creek mouth on the Big Otter River.
VA Overall AU Category: <b>4A</b>	Impairment	6.58 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>2004</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
<b>VAW-L25R_BOR01A02</b>	<b>Big Otter River Lower</b>	<b>BEDFORD CO</b>	Big Otter River mainstem from the mouth of the Little Otter River upstream to the Elk Creek confluence on the Big Otter River.
VA Overall AU Category: <b>4A</b>	Impairment	4.43 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>2004</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
<b>VAW-L25R_BOR02A02</b>	<b>Big Otter River Upper 1</b>	<b>BEDFORD CO</b>	Big Otter River mainstem from the confluence of Elk Creek upstream to the mouth of Roaring Run.
VA Overall AU Category: <b>4A</b>	Impairment	5.95 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>2004</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Big Otter River and Elk Creek		
TMDL Group ID:	00118		
<b>VAW-L25R_BOR03A04</b>	<b>Big Otter River Upper 2</b>	<b>BEDFORD CO</b>	Confluence of North Otter Creek downstream to the mouth of Roaring Run.
VA Overall AU Category: <b>4A</b>	Impairment	1.36 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>2004</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-L25R_ECR01A00</b>	<b>Elk Creek</b>	<b>BEDFORD CO</b>	Elk Creek mainstem from its mouth on the Big Otter River upstream to the Rt. 622 crossing west of Forest, VA.
VA Overall AU Category: <b>4A</b>	Impairment	7.28 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>1998</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-L25R_ECR02A02</b>	<b>Elk Creek Middle</b>	<b>BEDFORD CO</b>	Elk Creek mainstem from and unnamed tributary near Norwood (37°20'25" / 79°21'32") Rt. 622 crossing, upstream to near Perrowville (37°24'58" / 79°21'07") at another unnamed tributary.
VA Overall AU Category: <b>4A</b>	Impairment	11.88 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00118	<b>2004</b> <b>2001</b> Category 4A. Elk Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1498/9595. SWCB approved 6/17/2004. VAW-L25R-01.
Recreation			
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Big Otter River and Falling Creek	
TMDL Group ID:		00121	
VAW-L27R_BOR01A00	Big Otter River Lower	BEDFORD CO	Big Otter River mainstem from the upstream WQS designated public water supply (PWS) Sec. 5j end downstream to the Buffalo Creek mouth on the Big Otter River.
VA Overall AU Category: <b>4A</b>		CAMPBELL CO	
Use	Impairment	2.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00121	<b>2002</b> <b>2001</b> Category 4A. Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1427/9485. SWCB approved 6/17/2004. VAW-L27R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L27R_BOR02A00	Big Otter River Upper	BEDFORD CO	Big Otter River mainstem from the mouth of Little Otter R. on Big Otter R. downstream to the upstream end of the WQS designated public water supply (PWS) section 5j.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.74 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00121	<b>2002</b> <b>2001</b> Category 4A. Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1427/9485. SWCB approved 6/17/2004. VAW-L27R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L27R_FNG01A02	Falling Creek	BEDFORD CO	Falling Creek mainstem from its mouth on the Big Otter River upstream to it headwaters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.73 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00121	<b>2004</b> <b>2001</b> Category 4A. Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001 [Fed. ID 1427/9485]. SWCB approved 6/17/2004. VAW-L27R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Big Otter River and Sheeps Creek		
TMDL Group ID:	00117		
VAW-L23R_BOR01A02	Big Otter River Lower	BEDFORD CO	Big Otter River mainstem from the mouth of North Otter Creek (Watershed Boundary) upstream to an unnamed tributary located at 37°23'24" / 79°30'19".
VA Overall AU Category: 4A			
Use	Impairment	5.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00117	2006 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00117	2004 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
VAW-L23R_BOR02A02	Big Otter River Middle	BEDFORD CO	Big Otter River mainstem from an unnamed tributary located at 37°23'24" / 79°30'19" upstream to the Bedford City raw water intake on the Big Otter River.
VA Overall AU Category: 4A			
Use	Impairment	3.52 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00117	2006 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00117	2004 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Big Otter River and Sheeps Creek	
TMDL Group ID:		00117	
VAW-L23R_BOR03A02	Big Otter River Upper	BEDFORD CO	Big Otter River mainstem from the Bedford City raw water intake upstream to the confluence of Sheeps Creek and Stony Creek forming the Big Otter River.
VA Overall AU Category: 4A			
Use	Impairment	0.04 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00117	2006 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00117	2004 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
VAW-L23R_SEE01A00	Sheeps Creek Lower	BEDFORD CO	Sheeps Creek mainstem from the upstream end of WQS public water supply (PWS) section just downstream of Reba Creek on downstream to Sheeps Creek's confluence with Stony Creek.
VA Overall AU Category: 4A			
Use	Impairment	4.71 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00117	1996 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Big Otter River and Sheeps Creek		
TMDL Group ID:	00117		
VAW-L23R_SEE02A00	Sheeps Creek Upper	BEDFORD CO	Headwaters north of Reba, VA on Campbells Mountain downstream to an unnamed tributary just downstream of Reba Creek.
VA Overall AU Category: 4A			
Use	Impairment	3.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00117	1996 2001 Category 4A. Sheeps Creek/Big Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1650/7798. SWCB approved 6/17/2004. VAW-L23R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
TMDL Watershed Name:	Birch Creek		
TMDL Group ID:	00122		
VAC-L63R_BIR01A98	Birch Creek	HALIFAX CO	Carlton Creek to Dan River
VA Overall AU Category: 4A			
Use	Impairment	4.83 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00122	2004 2004 Category 4A - EPA TMDL ID 18154 (Pathogens)
Sources: Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Blackwater River, Lower and Tributaries		
TMDL Group ID:	00124		
VAW-L08R_BWR01B06	Blackwater River Lower 2	FRANKLIN CO	Blackwater River mainstem from downstream of the Rt. 921 Bridge ~ 1.3 miles at the confluence of an unnamed tributary downstream to the Rt. 122 Bridge.
VA Overall AU Category: 4A			
Use	Impairment 2.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00124 2004 2001	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-04.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L08R_BWR02A00	Blackwater River Lower 3	FRANKLIN CO	Blackwater River mainstem from the Town of Rocky Mount's water intake on the Blackwater River on downstream of the Rt. 921 Bridge approximately 1.3 miles at the confluence of an unnamed tributary.
VA Overall AU Category: 4A			
Use	Impairment 4.61 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00124 2004 2001	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-04.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name: Blackwater River, Lower and Tributaries			
TMDL Group ID: 00124			
VAW-L10R_FGC01A00	Foul Ground Creek Lower	FRANKLIN CO	Foul Ground Creek mainstem from its inundation at Smith Mountain Lake on the Blackwater River upstream to its headwaters. The segment is within the WQS designated public water supply (PWS) section.
VA Overall AU Category: 4A			
Use	Impairment	4.13 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00124	2004 2001 Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			
TMDL Watershed Name: Blackwater River, Middle			
TMDL Group ID: 00126			
VAW-L08R_BWR03A00	Blackwater River Middle	FRANKLIN CO	Blackwater River mainstem from the WQS designated public water supply (PWS) section ending approximately 2 miles upstream of Little Creek's mouth on the Blackwater downstream to the Town of Rocky Mount's water intake on the Blackwater River.
VA Overall AU Category: 4A			
Use	Impairment	4.94 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00126	2004 2001 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-04.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name: <b>Blackwater River, North Fork</b>			
TMDL Group ID: <b>00127</b>			
<b>VAW-L08R_BNR01A00</b>	<b>Blackwater River, North Fork Lower</b>	<b>FRANKLIN CO</b>	North Fork Blackwater River mainstem from the Dillions Mill community downstream to the North Fork's confluence with the South Fork on the Blackwater River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.26 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	<b>00127</b>	<b>1996</b> <b>2004</b> Category 4A. North Fork Blackwater River General Standard Benthic (Phosphorus & Sediment) TMDL Study & Allocations U.S. EPA approved 4/26/2004. SWCB approved 8/31/2004. VAW-L08R-03.
Sources: Livestock (Grazing or Feeding Operations) Loss of Riparian Habitat Sediment Resuspension (Clean Sediment) Streambank Modifications/destablization			
TMDL Group ID: <b>00128</b>			
<b>VAW-L08R_BNR01A00</b>	<b>Blackwater River, North Fork Lower</b>	<b>FRANKLIN CO</b>	North Fork Blackwater River mainstem from the Dillions Mill community downstream to the North Fork's confluence with the South Fork on the Blackwater River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.26 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	<b>00128</b>	<b>2004</b> <b>2001</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed 1996 for FC. North Fork Blackwater River Bacteria TMDL Study & Allocations U.S. EPA approved 03/09/2001; Fed. ID 7790. SWCB Approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-03.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Blackwater River, North Fork		
TMDL Group ID:	00128		
VAW-L08R_BNR02A00	Blackwater River, North Fork Upper	FRANKLIN CO	North Fork of the Blackwater River mainstem headwaters downstream to the Dillions Mill Community.
VA Overall AU Category: 4A			
Use	Impairment	8.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00128 2006 2001	Category 4A. North Fork Blackwater River Bacteria TMDL Study & Allocations U.S. EPA approved 03/09/2001; Fed. ID 7790. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-03.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00128 1996 2001	Category 4A. FC remains as more than 12 Escherichia coli (E.coli) collections have not been made. North Fork Blackwater River Bacteria TMDL Study & Allocations U.S. EPA approved 03/09/2001; Fed. ID 7790. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-03.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name: <b>Blackwater River, South Fork, Lower, and Tributaries</b>			
TMDL Group ID: <b>00102</b>			
<b>VAW-L08R_BSF01A00</b>	<b>Blackwater River, South Fork Lower</b>	<b>FRANKLIN CO</b>	South Fork of the Blackwater River mainstem from the Callaway Community downstream to the South Fork's confluence with the North Fork of the Blackwater River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.23 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00102 <b>2004</b> <b>2001</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. The South Fork Blackwater River TMDL Bacteria Study & Allocations U.S. EPA approved 2/02/2001; Fed. ID 1886/7791/21330. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-02.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			
<b>VAW-L08R_BSF02A00</b>	<b>Blackwater River, South Fork Upper</b>	<b>FRANKLIN CO</b>	South Fork of the Blackwater River mainstem from Algoma, Green Creek mouth, downstream to the Callaway community.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.83 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00102 <b>2004</b> <b>2001</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed 1996 for FC. The South Fork Blackwater River TMDL Bacteria Study & Allocations U.S. EPA approved 2/02/2001; Fed. ID 1886/7791. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-02.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Blackwater River, Upper	
TMDL Group ID:		00130	
VAW-L08R_BWR04A00	Blackwater River Upper 1	FRANKLIN CO	Blackwater River mainstem from the mouth of Maple Branch (37°01'14" / 79°58'42") downstream to the WQS PWS section ending approximately 2 miles upstream of Little Creek's mouth on the Blackwater River (37°02'25" / 79°54'51").
VA Overall AU Category: 4A	Impairment 10.11 MILES	TMDL Group ID 00130	First Listed on 303(d) 2004
Use Recreation	Escherichia coli	TMDL Schedule 2001	Impairment Specific Comments and/or Impairment Specific VA Category
Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID: 1887(1889)/9633]. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-04.			
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L08R_BWR05A00	Blackwater River Upper 2	FRANKLIN CO	Blackwater River mainstem from the confluence of the North and South Forks of the Blackwater downstream to the mouth of Maple Branch (37°01'14" / 79°58'42").
VA Overall AU Category: 4A	Impairment 5.63 MILES	TMDL Group ID 00130	First Listed on 303(d) 2004
Use Recreation	Escherichia coli	TMDL Schedule 2001	Impairment Specific Comments and/or Impairment Specific VA Category
Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Upper Blackwater River Bacteria TMDL Study & Allocations U.S. EPA approved on 03/09/2001; Fed. ID 1887/9634. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-04.			
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Blackwater River, Upper		
TMDL Group ID:	00164		
VAW-L08R_BWR05A00	Blackwater River Upper 2	FRANKLIN CO	Blackwater River mainstem from the confluence of the North and South Forks of the Blackwater downstream to the mouth of Maple Branch (37°01'14" / 79°58'42").
VA Overall AU Category:	4A		
Use	Impairment	5.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00164 1996 2004	Category 4A. Upper Blackwater River General Standard Benthic (Phosphorus & Sediment) TMDL Study & Allocations U.S. EPA approved 4/26/2004; Fed ID: 7789. SWCB approved 8/31/2004. VAW-L08R-04.
Sources: Livestock (Grazing or Feeding Operations) Loss of Riparian Habitat Sediment Resuspension (Clean Sediment) Streambank Modifications/destablization			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Carvin Creek		
TMDL Group ID:	00056		
VAW-L05R_CRV01A00	Carvin Creek Lower	ROANOKE CITY	Carvin Creek mainstem from its confluence with Tinker Creek upstream to the mouth of Deer Branch.
VA Overall AU Category: 4A		ROANOKE CO	
Use	Impairment	1.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00056	2004 2004 Category 4A. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-02.
	Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00056	2002 2004 Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-02.
	Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Carvin Creek		
TMDL Group ID:	00056		
VAW-L05R_CRV02A00	Carvin Creek Middle	ROANOKE CO	Carvin Creek mainstem from the mouth of Deer Branch upstream to an unnamed tributary upstream of I-81.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.56 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00056	<b>2006</b> <b>2004</b> Category 4A. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-02.
	Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		
Recreation	<b>Fecal Coliform</b>	00056	<b>2002</b> <b>2004</b> Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-02.
	Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Falling River		
TMDL Group ID:	00047		
<b>VAC-L34R_FRV01A00</b>	<b>Falling River</b>	<b>CAMPBELL CO</b>	Falling River mainstem from the Brookneal Lagoon outfall downstream to the Falling River mouth on the Roanoke (Staunton) River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.97 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00047 2006 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00047 1998 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
<b>VAC-L34R_FRV02A00</b>	<b>Falling River</b>	<b>CAMPBELL CO</b>	Dan River Inc. water intake on Falling River downstream to the Brookneal Lagoon outfall.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.33 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00047 2006 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00047 1998 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	
<b>VAC-L34R_FRV03A00</b>	<b>Falling River</b>	<b>CAMPBELL CO</b>	Little Falling River mouth downstream to Dan River, Inc. intake on Falling River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	4.35 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00047 2006 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Falling River		
TMDL Group ID:	00047		
Recreation	Fecal Coliform	00047 1998 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
Sources: Livestock (Grazing or Feeding Operations)			
Wastes from Pets			
Wildlife Other than Waterfowl			
VAC-L34R_FRV06A02	Falling River	CAMPBELL CO	Falling River mainstem from the Falling River North and South Fork confluence downstream to the mouth of Mollys Creek.
VA Overall AU Category: 4A			
Use	Impairment 2.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00047 2006 2004	Category 4A - EPA TMDL ID 18898/18899 (Pathogens)
Sources: Livestock (Grazing or Feeding Operations)			
Wastes from Pets			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Flat Creek	
TMDL Group ID:		00025	
VAC-L79R_FLT02A96	Flat Creek	MECKLENBURG CO	From the South Hill STP discharge to the Roanoke River
VA Overall AU Category:	4A		
Use	Impairment	7.93 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00025	2006 2004 Category 4A - EPA TMDL ID 18948 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
Recreation	Fecal Coliform	00025	1996 2004 Category 4A - EPA TMDL ID 18948 (Pathogens)
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
TMDL Group ID:		00155	
VAC-L79R_FLT02A96	Flat Creek	MECKLENBURG CO	From the South Hill STP discharge to the Roanoke River
VA Overall AU Category:	4A		
Use	Impairment	7.93 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00155	1996 2004 Category 4A - EPA TMDL ID 18949 (Sediment)
	Sources:	Clean Sediments	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Gills Creek	
TMDL Group ID:		00123	
VAW-L11R_GIL01A00	Gills Creek Lower	FRANKLIN CO	Gills Creek mainstem from the upper end of the WQS designated public water supply (PWS) section downstream to Smith Mountain Lake, eg. waters within 5 miles of the 795 ft. pool elevation of Smith Mtn. Lake.
VA Overall AU Category: 4A			
Use	Impairment 7.64 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00123 2004 2002	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Gills Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 5/31/2002; Fed ID: 9472. SWCB approved 6/17/2004. VAW-L11R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L11R_GIL02A02	Gills Creek Middle	FRANKLIN CO	Gills Creek mainstem from an unnamed tributary just north of the Rt. 122 crossing downstream to the WQS designated public water supply (PWS) section. These waters are not within 5 miles upstream of the 795 ft. pool elevation of Smith Mtn. Lake.
VA Overall AU Category: 4A			
Use	Impairment 3.92 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00123 2004 2002	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Gills Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 5/31/2002; Fed ID: 9472. SWCB approved 6/17/2004. VAW-L11R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Gills Creek		
TMDL Group ID:	00123		
VAW-L11R_GIL03A02	Gills Creek Upper	FRANKLIN CO	Gills Creek mainstem perennial headwaters downstream to an unnamed tributary just north of the Rt. 122 crossing of Gills Creek. These waters are not within 5 miles upstream of the 795 ft. pool elevation of Smith Mtn. Lake.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	10.69 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00123	<b>1996</b> <b>2002</b> Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Gills Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 5/31/2002; Fed ID: 9472. SWCB approved 6/17/2004. VAW-L11R-01.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Glade Creek		
TMDL Group ID:	00057		
<b>VAW-L05R_GLA01A00</b>	<b>Glade Creek Lower</b>	<b>ROANOKE CITY</b>	Glade Creek mainstem from the Glade Creek mouth on Tinker Creek upstream to an unnamed tributary mouth above Gus Nicks Blvd.
VA Overall AU Category: <b>4A</b>		<b>ROANOKE CO</b>	
Use	Impairment	0.96 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00057 <b>2004</b> <b>2004</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-03.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Wastes from Pets Wildlife Other than Waterfowl			
<b>VAW-L05R_GLA02A00</b>	<b>Glade Creek Lower 2</b>	<b>ROANOKE CITY</b>	Glade Creek mainstem from an unnamed tributary just upstream of Gus Nicks Blvd on upstream to the confluence of Cook Creek.
VA Overall AU Category: <b>4A</b>		<b>ROANOKE CO</b>	
Use	Impairment	3.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00057 <b>2004</b> <b>2004</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-03.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Glade Creek		
TMDL Group ID:	00057		
<b>VAW-L05R_GLA03A00</b>	<b>Glade Creek Middle</b>	<b>BOTETOURT CO</b>	Glade Creek mainstem from the Cook Creek mouth upstream to the confluence of Coyner Spring Branch.
VA Overall AU Category: <b>4A</b>		<b>ROANOKE CO</b>	
Use	Impairment	1.34 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00057	<b>2004</b> <b>2004</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-03.
	Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
<b>VAW-L05R_GLA04A00</b>	<b>Glade Creek Upper</b>	<b>BOTETOURT CO</b>	Glade Creek mainstem from the mouth of Coyner Spring Branch upstream to its headwaters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	6.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00057	<b>2006</b> <b>2004</b> Category 4A. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-03.
	Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
Recreation	<b>Fecal Coliform</b>	00057	<b>2002</b> <b>2004</b> Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-03.
	Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Laymantown Creek		
TMDL Group ID:	00058		
VAW-L05R_LAY01A00	Laymantown Creek	BOTETOURT CO	Laymantown Creek mainstem from an outlet of a small pond downstream to the Laymantown Creek mouth on Glade Creek.
VA Overall AU Category: 4A			
Use	Impairment	2.08 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		00058 2006 2004 Category 4A. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-05.
		Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
Recreation	Fecal Coliform		00058 2002 2004 Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-05.
		Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Lick Run		
TMDL Group ID:	00059		
VAW-L05R_LCK01A00	Lick Run	ROANOKE CITY	Lick Run mainstem from near Shaffer's Crossing downstream to Lick Run mouth on Tinker Creek.
VA Overall AU Category: 4A		ROANOKE CO	
Use	Impairment	8.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		00059 2004 2004 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-04.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
TMDL Watershed Name:	Little Creek		
TMDL Group ID:	30102		
VAW-L08R_XKF01A06	Little Creek, UT (XKF)	FRANKLIN CO	Little Creek, UT (XKF) mainstem from its mouth on Little Creek upstream to its headwaters
VA Overall AU Category: 4A			
Use	Impairment	0.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		30102 2006 2001 Category 4A. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-05.
Sources: Livestock (Grazing or Feeding Operations)			
Recreation	Fecal Coliform		30102 2006 2001 Category 4A. FC remains 12 or more Escherichia coli (E.coli) bacteria samples have not been collected. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-05.
Sources: Livestock (Grazing or Feeding Operations)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Little Otter River		
TMDL Group ID:	00119		
<b>VAW-L26R_LOR04A00</b>	<b>Little Otter River Upper 1</b>	<b>BEDFORD CO</b>	Little Otter River mainstem from the Bedford City boundary at the Rt. 43 crossing downstream to Bedford City POTW.
VA Overall AU Category: <b>4A</b>	Impairment	7.30 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00119	<b>1996</b> <b>2001</b> Category 4A. Little Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1547/9486. SWCB approved 6/17/2004. VAW-L26R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
<b>VAW-L26R_LOR05A00</b>	<b>Little Otter River Upper 2</b>	<b>BEDFORD CO</b>	Little Otter River mainstem from its perennial headwaters downstream to the Bedford City boundary at the Rt. 43 crossing.
VA Overall AU Category: <b>4A</b>	Impairment	5.37 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00119	<b>1996</b> <b>2001</b> Category 4A. Little Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1547/9486. SWCB approved 6/17/2004. VAW-L26R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Machine Creek		
TMDL Group ID:	00120		
VAW-L26R_MCR01A00	Machine Creek	BEDFORD CO	Machine Creek mainstem from it perennial headwaters downstream to its mouth on the Little Otter River.
VA Overall AU Category: 4A			
Use	Impairment	11.33 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00120	1996 2001 Category 4A. Machine Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001 [Fed. ID 1547/9467]. SWCB approved 6/17/2004. VAW-L26R-03.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Maggoddee Creek and Mollie Branch		
TMDL Group ID:	00125		
<b>VAW-L09R_MEE02A00</b>	<b>Maggoddee Creek Mill Dam</b>	<b>FRANKLIN CO</b>	Maggoddee Creek mainstem from just above Piedmont Mill downstream to Mill Dam.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.65 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00125 <b>2004</b> <b>2001</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-L09R_MEE03A00</b>	<b>Maggoddee Creek Middle</b>	<b>FRANKLIN CO</b>	Maggoddee Creek mainstem waters downstream of Boones Mill STP to just above Piedmont Mill.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00125 <b>2004</b> <b>2001</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-L09R_MEE04A00</b>	<b>Maggoddee Creek (Boones Mill)</b>	<b>FRANKLIN CO</b>	Maggoddee Creek mainstem waters from the Boones Mill Town area downstream to Boones Mill STP.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00125 <b>2006</b> <b>2001</b>	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed 1996 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:		Maggodee Creek and Mollie Branch	
TMDL Group ID:		00125	
VAW-L09R_MEE05A00	Maggodee Creek Upper	FRANKLIN CO	Maggodee Creek mainstem waters from the confluence of North and South Forks of Maggoddee Creek downstream to just below the Rt. 220 crossing at Boones Mill.
VA Overall AU Category: 4A	Impairment	4.40 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Fecal Coliform	00125	1996 2001 Category 4A. FC remains as 12 or more Escherichia coli (E.coli) samples have not been collected. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-01.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L09R_MHA01A00	Mollie Branch Lower	FRANKLIN CO	Mollie Branch mainstem from an unnamed tributary upstream of Piedmont Mill downstream to Mollie Branch mouth on Maggoddee Creek.
VA Overall AU Category: 4A	Impairment	0.76 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Escherichia coli	00125	2004 2001 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed 1996 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-02.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
VAW-L09R_MHA02A00	Mollie Branch Upper	FRANKLIN CO	Mollie Branch mainstem perennial headwaters downstream to an unnamed tributary above Piedmont Mill.
VA Overall AU Category: 4A	Impairment	1.76 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Escherichia coli	00125	2006 2001 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed 1998 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-02.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	South Mayo River		
TMDL Group ID:	00129		
VAW-L43R_SMR01A00	South Mayo River Lower	PATRICK CO	South Mayo River mainstem from the Russell Creek mouth downstream to the Spoon Creek confluence.
VA Overall AU Category: 4A			
Use	Impairment	5.77 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00129 2006	2004 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. South Mayo River Bacteria TMDL Flow Duration Study & Allocations U.S. EPA approved on 02/27/2004; Fed. ID: NA. SWCB approved 6/17/2004. VAW-L43R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00129 1998	2004 Category 4A. South Mayo River Bacteria TMDL Flow Duration Study & Allocations U.S. EPA approved on 02/27/2004; Fed. ID: NA. SWCB approved 6/17/2004. VAW-L43R-01.
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Roanoke and Yadkin River Basins</b>			
TMDL Watershed Name:	Tinker Creek		
TMDL Group ID:	00060		
<b>VAW-L05R_TKR01B06</b>	<b>Tinker Creek Middle 2</b>	<b>BOTETOURT CO</b>	Tinker Creek mainstem from the Carvin Creek mouth upstream to the confluence of Buffalo Creek.
VA Overall AU Category: <b>4A</b>		<b>ROANOKE CO</b>	
Use	Impairment	6.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00060	<b>2004</b> <b>2004</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
<b>VAW-L05R_TKR02A00</b>	<b>Tinker Creek Middle 1</b>	<b>BOTETOURT CO</b>	Tinker Creek mainstem from the mouth of Buffalo Creek upstream to the Roanoke City diversion tunnel located just upstream of the USGS stream gaging station.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	4.36 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00060	<b>2006</b> <b>2004</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-01.
Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
Roanoke and Yadkin River Basins						
TMDL Watershed Name:		Tinker Creek				
TMDL Group ID:		00060				
VAW-L05R_TKR03A00	Tinker Creek Upper	BOTETOURT CO	Tinker Creek mainstem from the Roanoke City diversion tunnel to Carvin Cove on upstream to its headwaters.			
VA Overall AU Category:	4A					
Use	Impairment	3.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		00060	2006	2004	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-01.
Sources: Livestock (Grazing or Feeding Operations)						
Municipal (Urbanized High Density Area)						
Sanitary Sewer Overflows (Collection System Failures)						
Unspecified Domestic Waste						
Wastes from Pets						
Wildlife Other than Waterfowl						
TMDL Watershed Name:		Twittys Creek				
TMDL Group ID:		00004				
VAC-L39R_TWT01A98	Twittys Creek	CHARLOTTE CO	Old Westpoint Stevens discharge (RM 7.22) to Roanoke Creek			
VA Overall AU Category:	4A					
Use	Impairment	7.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)		00004	1998	2004	Category 4A - EPA TMDL ID 21786 (Benthics)
Sources: Clean Sediments						
Non-Point Source						
Unspecified Urban Stormwater						

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Beaver Pond Creek		
TMDL Group ID:	00178		
VAC-K16R_BPC01A00	Beaver Pond Creek	DINWIDDIE CO	Headwaters to mouth.
VA Overall AU Category: 4A			
Use	Impairment	7.17 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00178 2004 2005	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations)	
		Unspecified Domestic Waste	
		Wastes from Pets	
		Wildlife Other than Waterfowl	
<hr/>			
TMDL Watershed Name:	Big Hounds Creek		
TMDL Group ID:	00179		
VAC-K14R_BHC01B98	Big Hounds Creek	LUNENBERG CO	From Lunenburg Lake dam to the Nottoway River.
VA Overall AU Category: 4A			
Use	Impairment	10.04 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00179 2006 2005	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations)	
		Unspecified Domestic Waste	
		Wastes from Pets	
		Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Cypress Swamp		
TMDL Group ID:	00180		
VAP-K32R_CPP01A98	Cypress Swamp	SURRY CO	Headwaters to mouth at Blackwater River. Segment extended in 2006 to incorporate VAP-K32R_CPP02A00
VA Overall AU Category: 4A			
Use	Impairment	17.10 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00180 2006 2014	Category 4A VAP-K32R-08 During the 2006 cycle, E. coli was added as an impairment based on a violation rate of 4/12 at 5ACPP003.20 and 2/12 at 5ACPP007.84. The bacteria TMDL was completed and approved by EPA on 10/14/2005, therefore the segment should be assessed as Cat. 4A. However, at the time of assessment, the federal TMDL ID was not available
	Sources: Agriculture Non-Point Source On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	00180 2004 2014	Category 4A VAP-K32R-08 During the 2006 cycle, E. coli was added as an impairment based on a violation rate of 4/12 at 5ACPP003.20 and 2/12 at 5ACPP007.84. The TMDL due date of the original, lower Cypress Swamp impairment was maintained. The bacteria TMDL was completed and approved by EPA on 10/14/2005, therefore the segment should be assessed as Cat. 4A. However, at the time of assessment, the federal TMDL ID was not available
	Sources: Agriculture On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Cypress Swamp		
TMDL Group ID:	00180		
VAP-K32R_CPP01B06	Cypress Swamp Tributaries	SURRY CO	All tributaries draining to Cypress Swamp.  Segment created in 2006 and incorporates previous segments VAP-K32R_JCH01A98 and SGS01A02
VA Overall AU Category: 4A			
Use	Impairment	66.93 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00180	2006 2005 Category 4A
			VAP-K32R-07
			During 2006, 5AJCH002.27 had an E. coli violation rate of 2/12. In addition, the Cypress Swamp mainstem (VAP-K32R_CPP01A98) showed violations for bacteria. Therefore, the segment is assessed as not supporting the Recreation Use for E. coli. The bacteria TMDL was completed and approved by EPA on 10/14/2005, therefore the segment should be assessed as Cat. 4A. However, at the time of assessment, the federal TMDL ID was not available.
	Sources:	Agriculture Non-Point Source On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Cypress Swamp Tributaries		
TMDL Group ID:	00180		
VAP-K32R_CPP01B06	Cypress Swamp Tributaries	SURRY CO	All tributaries draining to Cypress Swamp.  Segment created in 2006 and incorporates previous segments VAP-K32R_JCH01A98 and SGS01A02
VA Overall AU Category: 4A			
Use	Impairment	66.93 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00180	2006 2005 Category 4A  VAP-K32R-07  During 2006, 5AJCH002.27 had an E. coli violation rate of 2/12. In addition, the Cypress Swamp mainstem (VAP-K32R_CPP01A98) showed violations for bacteria. Therefore, the segment is assessed as not supporting the Recreation Use for E. coli. The bacteria TMDL was completed and approved by EPA on 10/14/2005, therefore the segment should be assessed as Cat. 4A. However, at the time of assessment, the federal TMDL ID was not available.
	Sources: Agriculture Non-Point Source On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl		
TMDL Watershed Name:	Hurricane Branch, Unnamed Tributary		
TMDL Group ID:	00005		
VAC-K16R_XBL01A94	Unnamed Tributary to Hurricane Branch	NOTTOWAY CO	From Blackstone STP discharge to mouth at Hurricane Branch.
VA Overall AU Category: 4A			
Use	Impairment	1.03 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00005	1994 2004 Category 4A - EPA TMDL ID 19442 (Benthics)
	Sources: Unspecified Urban Stormwater		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Little Nottoway River		
TMDL Group ID:	00181		
<b>VAC-K15R_LNT01A00</b>	<b>Little Nottoway River</b>	<b>NOTTOWAY CO</b>	From Lazaretto Creek to a point 5 miles upstream of Fort Pickett's raw water intake..
VA Overall AU Category: <b>4A</b>			
Use	Impairment	9.03 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00181 <b>2006</b> <b>2005</b>	
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	
<b>VAC-K15R_LNT02A04</b>	<b>Little Nottoway River and Tributaries</b>	<b>NOTTOWAY CO</b>	Little Nottway River from a point 5 miles upstream from Fort Pickett's raw water intake to its confluence with Nottoway River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.82 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00181 <b>2006</b> <b>2005</b>	Category 4A
	Sources:	Livestock (Grazing or Feeding Operations) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:		Nottoway River	
TMDL Group ID:		00184	
VAC-K14R_NTW01A98	Nottoway River	LUNENBERG CO	Headwaters to a point 5 miles upstream of Victoria's PWS intake 200 feet upstream of Route 49.
VA Overall AU Category: 4A		PRINCE EDWARD CO	
Use	Impairment	12.76 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00184 2006 2005	Category 4A
Sources: Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl			
VAC-K14R_NTW02A98	Nottoway River	LUNENBERG CO	From the backwaters of Nottoway Falls Lake to a point 5 miles upstream of Victoria's intake, excluding tributaries.
VA Overall AU Category: 4A		NOTTOWAY CO	
Use	Impairment	4.41 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00184 2006 2005	Category 4A
Sources: Livestock (Grazing or Feeding Operations) Wastes from Pets Wildlife Other than Waterfowl			
TMDL Group ID:		01355	
VAP-K24R_NTW03B00	Nottoway River	SUSSEX CO	Nebletts Mill Run to Southampton County line. State Scenic River
VA Overall AU Category: 4A			
Use	Impairment	13.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01355 2004 2004	Category 4A
VAP-K24R-02			
The Nottoway River was assessed not supporting of the Recreation Use goal based on a fecal coliform violation rate of 2/15 at the Rt. 631 bridge (5ANTW045.45.) The TMDL for E. coli was developed and approved by EPA on 10/14/2005. The segment should be classified as 4A, however the EPA TMDLID was not available during the assessment.			
Sources: Agriculture Non-Point Source On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Chowan River and Dismal Swamp Basins			
TMDL Watershed Name:	Nottoway River		
TMDL Group ID:	01355		
VAP-K24R_NTW04B00	Nottoway River	SOUTHAMPTON CO	Southampton County line to Three Creek
VA Overall AU Category: 4A			
Use	Impairment	5.02 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01355	2004 2016 Category 4A
			VAP-K24R-02
			The Nottoway River was assessed not supporting of the Recreation Use goal based on a fecal coliform violation rate of 2/15 at the Rt. 631 bridge (5ANTW045.45.) The TMDL for E. coli was developed and approved by EPA on 10/14/2005. The segment should be classified as 4A, however the EPA TMDLID was not available during the assessment.
	Sources:	Agriculture Non-Point Source On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Wildlife Other than Waterfowl	
TMDL Watershed Name:	Raccoon Creek		
TMDL Group ID:	00187		
VAP-K25R_RCN01A02	Raccoon Creek	SOUTHAMPTON CO	The entire mainstem of Raccoon Creek.
		SUSSEX CO	
VA Overall AU Category: 4A			
Use	Impairment	19.30 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00187	2002 2010 Category 4A
			VAP-K25R-02
			The segment was initially listed as fully supporting but threatened of the Recreation use goal during the 1998 303(d) cycle. It was then identified to Virginia for listing consideration. During the 2002 303(d) cycle the segment was downgraded to impaired, therefore the TMDL was due in 2010. During the year 2006 cycle, the segment remained not supporting of the Recreation goal based on a fecal coliform violation rate of 6/31 at the Route 608 bridge (5ARCN003.36), however the TMDL was completed as part of the Chowan River Bacteria TMDL. The TMDL was approved by EPA on 10/14/2005. The segment should be considered Category 4A, however the EPA TMDL ID was not available at the time of assessment.
	Sources:	Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Raccoon Creek, Spring Creek		
TMDL Group ID:	00187		
VAP-K25R_RCN01A02	Raccoon Creek	SOUTHAMPTON CO	The entire mainstem of Raccoon Creek.
VA Overall AU Category: 4A		SUSSEX CO	
Use	Impairment	19.30 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00187	2002 2010 Category 4A
			VAP-K25R-02
			The segment was initially listed as fully supporting but threatened of the Recreation use goal during the 1998 303(d) cycle. It was then identified to Virginia for listing consideration. During the 2002 303(d) cycle the segment was downgraded to impaired, therefore the TMDL was due in 2010. During the year 2006 cycle, the segment remained not supporting of the Recreation goal based on a fecal coliform violation rate of 6/31 at the Route 608 bridge (5ARCN003.36), however the TMDL was completed as part of the Chowan River Bacteria TMDL. The TMDL was approved by EPA on 10/14/2005. The segment should be considered Category 4A, however the EPA TMDL ID was not available at the time of assessment.
Sources: Non-Point Source			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Chowan River and Dismal Swamp Basins</b>			
TMDL Watershed Name:	Roses Creek		
TMDL Group ID:	00027		
VAP-K07R_RSE01A96	Roses Creek	BRUNSWICK CO	Alberta STP to mouth at Great Creek Segment was extended to incorporate the old segment VAP-K06R_RSE02A96, which has been deleted.
VA Overall AU Category: 4A			
Use	Impairment	9.85 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00027 2006 2010	VAP-K07R-02  The segment was initially listed for Fecal Coliform with a 2010 TMDL due date. During the 2003-2004 TMDL study, the station was monitored for E. coli, which also shows impairment. The TMDL due date was kept the same. The TMDL was completed for E. coli and approved by EPA in July 2004 and the SWCB in December 2004.
		Sources: Municipal Point Source Discharges Non-Point Source	
Recreation	Fecal Coliform	00027 1996 2010	VAP-K07R-02  The segment was initially listed for Fecal Coliform with a 2010 TMDL due date. During the 2003-2004 TMDL study, the station was monitored for E. coli, which also shows impairment. The TMDL due date was kept the same. The TMDL was completed for E. coli and approved by EPA in July 2004 and the SWCB in December 2004.
		Sources: Municipal Point Source Discharges Non-Point Source	

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<i>Tennessee and Big Sandy River Basins</i>			
TMDL Watershed Name:	Black Creek and Tributaries		
TMDL Group ID:	00002		
VAS-P17R_BLK01A96	Black Creek	WISE CO	Black Ck and tributaries from impoundment downstream to the Powell River confluence. Section 1, Class IV.
VA Overall AU Category:	4A		
Use	Impairment	4.19 MILES	TMDL Group ID
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00002	First Listed on 303(d)
		2002	TMDL Schedule
		2004	Impairment Specific Comments and/or Impairment Specific VA Category
			Category 4A.
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:		Cedar Creek	
TMDL Group ID:		00135	
VAS-O05R_CED01A94	Cedar Creek	WASHINGTON CO	From confluence of East Fork Cedar Creek and West Fork Cedar Creek to confluence with Middle Fork Holston confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	6.54 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00135 1994 2001	Category 4A: Fed ID for e.coli is 18125; the appropriate WQS is now e.coli ; the fecal coliform WQS was eliminated. Fed IS for benthic macroinvertebrate bioassessment is 18127.
Sources: Animal Feeding Operations (NPS)			
VAS-O05R_CWF01A02	West Fork Cedar Creek	WASHINGTON CO	Cedar Creek tributary. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	1.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00135 1994 2001	Category 4A: Fecal coliform, Federal ID 9632. Benthic macroinvertebrate bioassessments Fed ID 18127.
Sources: Animal Feeding Operations (NPS)			
VAS-O05R_ECE01A02	East Fork Cedar Creek	WASHINGTON CO	Cedar Creek tributary. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	1.88 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00135 1994 2001	Category 4A: Fecal coliform, Federal ID 18125.
Sources: Animal Feeding Operations (NPS)			
TMDL Group ID:		00138	
VAS-O05R_CED01A94	Cedar Creek	WASHINGTON CO	From confluence of East Fork Cedar Creek and West Fork Cedar Creek to confluence with Middle Fork Holston confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	6.54 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00138 2004 2004	
Sources: Animal Feeding Operations (NPS)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:		Cedar Creek	
TMDL Group ID:		00138	
VAS-O05R_CWF01A02	West Fork Cedar Creek	WASHINGTON CO	Cedar Creek tributary. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	1.55 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00138	2004 2004
Sources: Animal Feeding Operations (NPS)			
VAS-O05R_ECE01A02	East Fork Cedar Creek	WASHINGTON CO	Cedar Creek tributary. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A			
Use	Impairment	1.88 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00138	2004 2004 Category 4A: Benthic macroinvertebrate bioassessment Fed ID 18127.
Sources: Animal Feeding Operations (NPS)			
TMDL Watershed Name:		Crab Orchard Creek	
TMDL Group ID:		00143	
VAS-P11R_CRA01A98	Crab Orchard Creek	WISE CO	Headwaters to Guest River confluence. Section 2, Class IV.
VA Overall AU Category: 4A			
Use	Impairment	2.42 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00143	2004 2004 Category 4A: Fecal coliform, Federal ID 18596. IP approved 6.28.2005 The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.
Sources: Rural (Residential Areas)			
TMDL Watershed Name:		Guest River	
TMDL Group ID:		00165	
VAS-P11R_GUE04A96	Guest River	WISE CO	Mainstem from headwaters downstream to the confluence of Sepulcher Ck. Section 2, Class IV.
VA Overall AU Category: 4A			
Use	Impairment	7.70 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00165	2006 2004 Category 4A: Benthic Macroinvertebrate Bioassessments, Federal ID 19287.
Sources: Source Unknown			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:	Hall/Byers Creek		
TMDL Group ID:	00134		
<b>VAS-O05R_BY01A94</b>	<b>Byers Creek</b>	WASHINGTON CO	Byers Ck from Hall Ck confluence downstream to Middle Fork Holston confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00134	<b>2004</b> <b>2001</b> The Federal TMDL ID for this was 9675; this was removed since e.coli has now become the water quality standard for this segment.
Sources: Grazing in Riparian or Shoreline Zones			
<b>VAS-O05R_HAL01A94</b>	<b>Hall Creek</b>	WASHINGTON CO	Mainstem from headwaters to Byers Ck confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	6.80 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00134	<b>2002</b> <b>2001</b> Category 4A: Fecal coliform, Federal ID 19303 and 9512.
Sources: Animal Feeding Operations (NPS)			
<b>VAS-O05R_XCG01A02</b>	<b>Hall Creek tributary</b>	WASHINGTON CO	Mainstem from headwaters to Hall Ck confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.68 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>	00134	<b>1994</b> <b>2001</b> Category 4A: Fecal coliform, Federal ID 9512 and 19303.
Sources: Animal Feeding Operations (NPS)			
TMDL Group ID:	00137		
<b>VAS-O05R_BY01A94</b>	<b>Byers Creek</b>	WASHINGTON CO	Byers Ck from Hall Ck confluence downstream to Middle Fork Holston confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	0.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	00137	<b>2004</b> <b>2004</b> Category 4A: Fecal coliform Fed ID 9675, e.coli fed ID 18028, benthic macroinvertebrate bioassessment Fed ID 18029.
Sources: Animal Feeding Operations (NPS)			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:		Hall/Byers Creek	
TMDL Group ID:		00137	
<b>VAS-O05R_HAL01A94</b>	<b>Hall Creek</b>	WASHINGTON CO	Mainstem from headwaters to Byers Ck confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Use	Impairment	6.80 MILES
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	TMDL Group ID 00137	First Listed on 303(d) <b>2004</b>
		TMDL Schedule <b>2004</b>	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19304.
Sources: Animal Feeding Operations (NPS)			
<b>VAS-O05R_TAT01A02</b>	<b>Tattle Branch</b>	WASHINGTON CO	Mainstem from headwaters to Byers Ck confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Use	Impairment	2.73 MILES
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	TMDL Group ID 00137	First Listed on 303(d) <b>2004</b>
		TMDL Schedule <b>2004</b>	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19304.
Sources: Animal Feeding Operations (NPS)			
<b>VAS-O05R_XCG01A02</b>	<b>Hall Creek tributary</b>	WASHINGTON CO	Mainstem from headwaters to Hall Ck confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Use	Impairment	1.68 MILES
Aquatic Life	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	TMDL Group ID 00137	First Listed on 303(d) <b>2004</b>
		TMDL Schedule <b>2004</b>	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19304.
Sources: Animal Feeding Operations (NPS)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:		Hutton Creek and Tributaries	
TMDL Group ID:		00136	
<b>VAS-O05R_HTO01A94</b>	<b>Hutton Creek</b>	WASHINGTON CO	Headwaters down to MFH confluence and tributaries. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Impairment	4.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>	00136	<b>1994</b> <b>2001</b> Category 4A: Fecal coliform, Federal ID 19450 and 7555. E.coli is now the appropriate WQS; the fecal coliform WQS was eliminated.
Recreation			
Sources: Animal Feeding Operations (NPS)			
<b>VAS-O05R_PLU01A02</b>	<b>Plum Creek</b>	WASHINGTON CO	Headwaters down to Hutton Creek confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Impairment	2.17 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00136	<b>1994</b> <b>2001</b> Category 4A: Fecal coliform, Federal ID 7555.
Recreation			
Sources: Animal Feeding Operations (NPS)			
<b>VAS-O05R_XCD01A02</b>	<b>Tributary to Hutton Creek</b>	WASHINGTON CO	Headwaters down to MFH confluence and tributaries. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Impairment	4.01 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00136	<b>1994</b> <b>2001</b> Category 4A: Fecal coliform, Federal ID 7555..
Recreation			
Sources: Animal Feeding Operations (NPS)			
TMDL Group ID:		00139	
<b>VAS-O05R_HTO01A94</b>	<b>Hutton Creek</b>	WASHINGTON CO	Headwaters down to MFH confluence and tributaries. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: <b>4A</b>	Impairment	4.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	00139	<b>2004</b> <b>2004</b> Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19451.
Aquatic Life			
Sources: Animal Feeding Operations (NPS)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name: Hutton Creek and Tributaries			
TMDL Group ID: 00139			
VAS-O05R_PLU01A02	Plum Creek	WASHINGTON CO	Headwaters down to Hutton Creek confluence. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A	Use	Impairment	2.17 MILES
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID 00139	First Listed on 303(d) 2004
		TMDL Schedule 2004	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19451.
Sources: Animal Feeding Operations (NPS)			
VAS-O05R_XCD01A02	Tributary to Hutton Creek	WASHINGTON CO	Headwaters down to MFH confluence and tributaries. Section 5, Class IV, designated stockable trout waters.
VA Overall AU Category: 4A	Use	Impairment	4.01 MILES
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID 00139	First Listed on 303(d) 2004
		TMDL Schedule 2004	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19451.
Sources: Animal Feeding Operations (NPS)			
TMDL Watershed Name: Little Creek, Unnamed Tributary			
TMDL Group ID: 50184			
VAS-O07R_XDR01A06	Little Creek	WASHINGTON CO	Headwaters downstream to the confluence of Mumpower Creek, Section 4, Class IV.
VA Overall AU Category: 4A	Use	Impairment	2.68 MILES
Recreation	Escherichia coli	TMDL Group ID 50184	First Listed on 303(d) 2004
		TMDL Schedule 2002	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: E.coli is now the appropriate WQS; the fecal coliform WQS was eliminated.The Fed ID for fecal coliform is 9479 and for e.coli is 19821.
Sources: Animal Feeding Operations (NPS) Rural (Residential Areas)			
TMDL Watershed Name: Little Tom's Creek			
TMDL Group ID: 00144			
VAS-P11R_LTF01A98	Little Tom's Creek	WISE CO	From headwaters to Tom's Ck confluence. Section 2, Class IV.
VA Overall AU Category: 4A	Use	Impairment	4.38 MILES
Recreation	Escherichia coli	TMDL Group ID 00144	First Listed on 303(d) 2004
		TMDL Schedule 2004	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A: Fecal coiform, Federal ID 19680. IP approved 6.28.2005
Sources: Rural (Residential Areas)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Tennessee and Big Sandy River Basins</b>			
TMDL Watershed Name:	Toms Creek		
TMDL Group ID:	00146		
<b>VAS-P11R_TMS01A98</b>	<b>Toms Creek</b>	WISE CO	Lower mainstem from raw water intake downstream to the Guest River confluence. Section 2, Class IV.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.75 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00146 <b>2004</b> <b>2004</b>	Category 4A : Federal ID 21698; the original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment. IP approved 6.28.2005.
Sources: Rural (Residential Areas)			
<b>VAS-P11R_TMS02A00</b>	<b>Toms Creek</b>	WISE CO	Upper Toms Creek from Coeburn's raw water intake to its headwaters. Section 2f, Class IV, PWS.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00146 <b>2004</b> <b>2004</b>	Category 4A: e.coli, Federal ID 21698. IP approved 6.28.2005. The original fecal coliform bacteria impairment no longer applies because there are more than 12 e.coli samples.
Sources: Rural (Residential Areas)			

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Beaver Creek		
TMDL Group ID:	00222		
<b>VAN-F06R_BRC01A02</b>	<b>Beaver Creek</b>	<b>ORANGE CO</b>	Segment begins at the confluence with Cooks Creek, approximately 0.68 rivermile upstream from the Route 638 bridge, and continues downstream until the confluence with the North Anna River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00222	<b>2006</b> <b>2005</b> A bacteria TMDL for the Beaver Creek watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 13 samples - 46.2%) were recorded at DEQ's ambient water quality monitoring station (8-BRC001.88) at the Route 638 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Matadequin Creek		
TMDL Group ID:	00052		
VAP-F13R_MDQ01A98	Matadequin Creek	HANOVER CO NEW KENT CO	Downstream of Parsleys Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.01 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00052	2006 2014 Category 4A VAP-F13R-01 The E. coli TMDL for Matadequin Creek was approved by EPA on 10/21/2004. The segment is a Cat. 4A water.
		Sources: Non-Point Source	
Recreation	Fecal Coliform	00052	2002 2014 Category 4A VAP-F13R-01 The E. coli TMDL for Matadequin Creek was approved by EPA on 10/21/2004. The segment is a Cat. 4A water.
		Sources: Non-Point Source	
TMDL Watershed Name:	Matedequin Creek		
TMDL Group ID:	00052		
VAP-F13R_MDQ01A98	Matadequin Creek	HANOVER CO NEW KENT CO	Downstream of Parsleys Creek.
VA Overall AU Category: 4A			
Use	Impairment	5.01 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00052	2006 2014 Category 4A VAP-F13R-01 The E. coli TMDL for Matadequin Creek was approved by EPA on 10/21/2004. The segment is a Cat. 4A water.
		Sources: Non-Point Source	
Recreation	Fecal Coliform	00052	2002 2014 Category 4A VAP-F13R-01 The E. coli TMDL for Matadequin Creek was approved by EPA on 10/21/2004. The segment is a Cat. 4A water.
		Sources: Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Mechumps Creek		
TMDL Group ID:	00050		
VAP-F12R_MCP01A94	Mechumps Creek	HANOVER CO	Slayden Creek to the Pamunkey River
VA Overall AU Category: 4A			
Use	Impairment	5.69 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00050	2006 2010 VAP-F12R-02
		Sources: Industrial Point Source Discharge	During the 2006 cycle, the Bacteria TMDL for Mechumps Creek was developed and approved by EPA on 10/21/2004. The segment remains impaired for fecal coliform and E. coli and will be classified as Cat. 4A.
		Non-Point Source	
Recreation	Fecal Coliform	00050	1998 2010 VAP-F12R-02
		Sources: Industrial Point Source Discharge	During the 2006 cycle, the Bacteria TMDL for Mechumps Creek was developed and approved by EPA on 10/21/2004. The segment remains impaired for fecal coliform and E. coli and will be classified as Cat. 4A.
		Non-Point Source	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Mountain Run		
TMDL Group ID:	00223		
VAN-F06R_MTN01A00	Mountain Run	ORANGE CO	Segment begins at the confluence of Madison Run and continues downstream until the confluence with the North Anna River.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.52 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00223	<b>2006</b> <b>2005</b> A bacteria TMDL for the Mountain Run watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 12 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (8-MTN000.96) at the Route 643 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Pamunkey Creek		
TMDL Group ID:	00221		
VAN-F07R_PMC01A00	Pamunkey Creek	ORANGE CO	Segment begins at the confluence with Clear Creek and continues downstream until the confluence with Lake Anna.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	5.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00221	<b>2006</b> <b>2005</b> A bacteria TMDL for the Pamunkey Creek watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (9 of 19 samples - 47.4%) were recorded at DEQ's ambient water quality monitoring station (8-PMC009.85) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Pamunkey Creek		
TMDL Group ID:	00221		
<b>VAN-F07R_PMC02A02</b>	<b>Pamunkey Creek</b>	<b>ORANGE CO</b>	Segment begins at the confluence with Tomahawk Creek and Church Creek, where Pamunkey Creek begins, and continues downstream until the confluence with Clear Creek.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	6.82 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00221	<b>2006</b> <b>2005</b> A bacteria TMDL for the Pamunkey Creek watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 16 samples - 43.8%) were recorded at DEQ's ambient water quality monitoring station (8-PMC014.75) at the Route 630 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Plentiful Creek		
TMDL Group ID:	00220		
<b>VAN-F07R_PLT01A00</b>	<b>Plentiful Creek</b>	<b>SPOTSYLVANIA CO</b>	Segment begins at the confluence with an unnamed tributary to Plentiful Creek, upstream from the Route 601 bridge, and continues downstream until the confluence with Lake Anna.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	3.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00220	<b>2006</b> <b>2005</b> A bacteria TMDL for the Plentiful Creek watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.  Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 15 samples - 46.7%) were recorded at DEQ's ambient water quality monitoring station (8-PLT004.82) at the Route 601 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform, beginning in 1998.  Segment listed as Category 4A - Federal ID NA.
Sources: Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>York River Basin</b>			
TMDL Watershed Name:	Plentiful Creek		
TMDL Group ID:	00220		
Recreation	Fecal Coliform	00220	1998
			2005
			<p>A bacteria TMDL for the Plentiful Creek watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application.</p> <p>Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (8-PLT002.82) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.</p> <p>Segment listed as Category 4A - Federal ID NA.</p>
	Sources:	Grazing in Riparian or Shoreline Zones Impacts from Land Application of Wastes Livestock (Grazing or Feeding Operations) Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Wastes from Pets Waterfowl Wildlife Other than Waterfowl	

Note: Assessment Units may extend across jurisdictional boundaries.

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Back Creek	
TMDL Group ID:		00018	
VAW-N22R_BCK01A00	Back Creek	PULASKI CO	The waters extend from 0.70 miles below the Rt. 636 Bridge crossing downstream to Back Creek's mouth on the New River.
VA Overall AU Category: 4A	Impairment	16.37 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	Escherichia coli	00018	2006 2004 Category 4A. AU originally Listed in 1996 for FC. Back Creek Bacteria (Fed. ID: NA ) TMDL Study US EPA approved 6/21/2004. SWCB approved 12/02/2004. VAW-N22R-03.
Recreation			
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			
TMDL Group ID:		00152	
VAW-N22R_BCK01A00	Back Creek	PULASKI CO	The waters extend from 0.70 miles below the Rt. 636 Bridge crossing downstream to Back Creek's mouth on the New River.
VA Overall AU Category: 4A	Impairment	16.37 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	Benthic-Macroinvertebrate Bioassessments (Streams)	00152	2002 2004 Category 4A. Back Creek Benthic (Sediment- Fed. ID: NA ) TMDL Study US EPA approved 6/21/2004. SWCB approved 12/02/2004. VAW-N22R-03.
Aquatic Life			
Sources: Channelization			
Loss of Riparian Habitat			
Sediment Resuspension (Clean Sediment)			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:	Crab Creek		
TMDL Group ID:	00019		
<b>VAW-N18R_CBC01A00</b>	<b>Crab Creek Lower</b>	<b>MONTGOMERY CO</b>	This section of the mainstem Crab Creek extends from its mouth on the New River on upstream of the Walton community.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	2.14 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00019	<b>2004</b> <b>2004</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Crab Creek Bacteria (Fed. ID 18594) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
<b>VAW-N18R_CBC02A00</b>	<b>Crab Creek Middle 1</b>	<b>MONTGOMERY CO</b>	These mainstem waters of Crab Creek extend from upstream of the Walton community to upstream of the Vicker community. The end of the WQS public water supply (PWS) designation.
VA Overall AU Category: <b>4A</b>			
Use	Impairment	1.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	00019	<b>2004</b> <b>2004</b> Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Crab Creek Bacteria (Fed. ID 18594) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Crab Creek	
TMDL Group ID:		00019	
VAW-N18R_CBC03A00	Crab Creek Middle 2	MONTGOMERY CO	These waters are the Crab Creek mainstem from upstream of the Vicker community on upstream to the former Christiansburg STP outfall on Crab Creek.
VA Overall AU Category: 4A			
Use	Impairment	1.04 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00019	2004 2004 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Crab Creek Bacteria (Fed. ID 18594) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)			
Livestock (Grazing or Feeding Operations)			
Municipal (Urbanized High Density Area)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			
VAW-N18R_CBC04A00	Crab Creek Upper	MONTGOMERY CO	These mainstem waters extend from the former Christiansburg STP outfall upstream to Crab Creek's headwaters.
VA Overall AU Category: 4A			
Use	Impairment	7.67 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00019	2004 2004 Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Crab Creek Bacteria (Fed. ID 18594) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)			
Livestock (Grazing or Feeding Operations)			
Municipal (Urbanized High Density Area)			
Unspecified Domestic Waste			
Wastes from Pets			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Crab Creek	
TMDL Group ID:		00153	
<b>VAW-N18R_CBC01A00</b>	<b>Crab Creek Lower</b>	MONTGOMERY CO	This section of the mainstem Crab Creek extends from its mouth on the New River on upstream of the Walton community.
VA Overall AU Category: <b>4A</b>	Impairment	2.14 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	00153	1996 2004 Category 4A. Crab Creek General Standard - Benthic (Sediment Fed, ID 18595) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Aquatic Life		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Loss of Riparian Habitat Municipal (Urbanized High Density Area) Post-development Erosion and Sedimentation Sediment Resuspension (Clean Sediment) Streambank Modifications/destablization	
<b>VAW-N18R_CBC02A00</b>	<b>Crab Creek Middle 1</b>	MONTGOMERY CO	These mainstem waters of Crab Creek extend from upstream of the Walton community to upstream of the Vicker community. The end of the WQS public water supply (PWS) designation.
VA Overall AU Category: <b>4A</b>	Impairment	1.15 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Benthic-Macroinvertebrate Bioassessments (Streams)</b>	00153	1996 2004 Category 4A. Crab Creek General Standard - Benthic (Sediment Fed, ID 18595) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Aquatic Life		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Loss of Riparian Habitat Municipal (Urbanized High Density Area) Post-development Erosion and Sedimentation Sediment Resuspension (Clean Sediment) Streambank Modifications/destablization	



# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:	Crab Creek		
TMDL Group ID:	00153		
VAW-N18R_CBC03A00	Crab Creek Middle 2	MONTGOMERY CO	These waters are the Crab Creek mainstem from upstream of the Vicker community on upstream to the former Christiansburg STP outfall on Crab Creek.
VA Overall AU Category: 4A			
Use	Impairment	1.04 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00153 1996 2004	Category 4A. Crab Creek General Standard - Benthic (Sediment Fed, ID 18595) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Loss of Riparian Habitat Municipal (Urbanized High Density Area) Post-development Erosion and Sedimentation Sediment Resuspension (Contaminated Sediment) Streambank Modifications/destablization			
VAW-N18R_CBC04A00	Crab Creek Upper	MONTGOMERY CO	These mainstem waters extend from the former Christiansburg STP outfall upstream to Crab Creek's headwaters.
VA Overall AU Category: 4A			
Use	Impairment	7.67 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00153 1996 2004	Category 4A. Crab Creek General Standard - Benthic (Sediment Fed, ID 18595) TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004. VAW-N18R-01.
Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4) Loss of Riparian Habitat Municipal (Urbanized High Density Area) Post-development Erosion and Sedimentation Sediment Resuspension (Clean Sediment) Streambank Modifications/destablization			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b><i>New River Basin</i></b>			
TMDL Watershed Name:	Dodd Creek and Tributaries		
TMDL Group ID:	00131		
<b>VAW-N20R_DDD01A00</b>	<b>Dodd Creek Lower</b>	FLOYD CO	Dodd Creek mainstem waters from its mouth on the West Fork of Little River upstream to the Floyd/Floyd County PSA outfall on Dodd Creek.
VA Overall AU Category: <b>4A</b>	Impairment	3.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00131	<b>1998</b> <b>2002</b> Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
<b>VAW-N20R_DDD02A00</b>	<b>Dodd Creek Upper</b>	FLOYD CO	Dodd Creek mainstem waters from the Floyd/Floyd County PSA outfall on Dodd Creek upstream to the West Fork of Dodd Creek mouth on Dodd Creek, just upstream of the Rt. 8 Bridge.
VA Overall AU Category: <b>4A</b>	Impairment	2.51 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00131	<b>1998</b> <b>2002</b> Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		
<b>VAW-N20R_DDD03A02</b>	<b>Dodd Creek Upper</b>	FLOYD CO	Dodd Creek mainstem from the West Fork of Dodd Creek mouth on Dodd Creek, just upstream of the Rt. 8 Bridge on upstream near the junction of Routes 710 and 714 near the Blue Ridge Parkway.
VA Overall AU Category: <b>4A</b>	Impairment	2.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>	00131	<b>1998</b> <b>2002</b> Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.
Recreation			
	Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Dodd Creek and Tributaries	
TMDL Group ID:		00131	
VAW-N20R_DDW02A02	W. F. Dodd Creek Upper	FLOYD CO	West Fork Dodd Creek mainstem from the confluence of an unnamed tributary (XDC) upstream to its headwaters. The mouth of the unnamed tributary is located @36°52'33" / 80°19'43".
VA Overall AU Category: <b>4A</b>	Impairment	5.29 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00131	<b>1998</b> <b>2002</b> Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			
VAW-N20R_XDC01A02	West Fork Dodd Creek, UT (XDC)	FLOYD CO	An unnamed tributary (XDC) to the West Fork Dodd Creek from its confluence upstream to its headwaters. The mouth of the unnamed tributary is located @36°52'33" / 80°19'43".
VA Overall AU Category: <b>4A</b>	Impairment	0.49 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00131	<b>2002</b> <b>2002</b> Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Hunting Camp Creek	
TMDL Group ID:		00150	
VAS-N31R_HCC01A00	Hunting Camp Creek	BLAND CO	Segment is from the confluence with Wolf Creek, upstream through the community of Bastian to an impoundment, river mile 8.50. Section 1, Class VI, designated natural trout waters, DGIF ***.
VA Overall AU Category:	4A		
Use	Impairment	8.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00150	1998 2006 Category 4A: e.coli, Federal ID 19446. benthic macroinvertebrate bioassessment Fed ID 19441.
Sources:			
TMDL Group ID:		00264	
VAS-N31R_HCC01A00	Hunting Camp Creek	BLAND CO	Segment is from the confluence with Wolf Creek, upstream through the community of Bastian to an impoundment, river mile 8.50. Section 1, Class VI, designated natural trout waters, DGIF ***.
VA Overall AU Category:	4A		
Use	Impairment	8.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic-Macroinvertebrate Bioassessments (Streams)	00264	1998 2006
Sources:			
TMDL Group ID:		40101	
VAS-N31R_HCC01A00	Hunting Camp Creek	BLAND CO	Segment is from the confluence with Wolf Creek, upstream through the community of Bastian to an impoundment, river mile 8.50. Section 1, Class VI, designated natural trout waters, DGIF ***.
VA Overall AU Category:	4A		
Use	Impairment	8.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Temperature, water	40101	2006 2006
Sources: Grazing in Riparian or Shoreline Zones			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:	Mill Creek and Tributaries		
TMDL Group ID:	00132		
<b>VAW-N21R_MLC01A00</b>	<b>Mill Creek Lower</b>	<b>MONTGOMERY CO</b>	Mill Creek mainstem waters from its mouth on Meadow Creek upstream to the Montgomery County PSA Riner STP outfall.
VA Overall AU Category: <b>4A</b>	Impairment	4.94 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00132	<b>1996</b> <b>2002</b> Category 4A. Mill Creek Bacteria (Fed. ID 9453) TMDL Study & Allocations US EPA approved on 6/05/2002. SWCB approved 6/17/2004. VAW-N21R-03.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-N21R_MLC02A00</b>	<b>Mill Creek Upper</b>	<b>MONTGOMERY CO</b>	Mill Creek mainstem waters from the Montgomery County PSA Riner STP outfall upstream to its headwaters.
VA Overall AU Category: <b>4A</b>	Impairment	2.10 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00132	<b>1996</b> <b>2002</b> Category 4A. Mill Creek Bacteria (Fed. ID 9453) TMDL Study & Allocations US EPA approved on 6/05/2002. SWCB approved 6/17/2004. VAW-N21R-03.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
<b>VAW-N21R_PPL01A02</b>	<b>Poplar Branch</b>	<b>MONTGOMERY CO</b>	Poplar Branch mainstem and tributaries from its confluence with Mill Creek upstream to its headwaters.
VA Overall AU Category: <b>4A</b>	Impairment	4.58 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00132	<b>2002</b> <b>2002</b> Category 4A. Mill Creek Bacteria (Fed. ID 9453) TMDL Study & Allocations US EPA approved on 6/05/2002. SWCB approved 6/17/2004. VAW-N21R-03.
Sources: Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:		Mill Creek and Tributaries	
TMDL Group ID:		00132	
VAW-N21R_XDE01A02	Mill Creek UT (XDE)	MONTGOMERY CO	An unnamed tributary (XDE) to Mill Creek from its mouth upstream. The stream is located in the headwaters of Mill Creek flowing to VAW-N21R_MLC02A00.
VA Overall AU Category: 4A	Impairment	1.73 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Fecal Coliform	00132	2002 2002 Category 4A. Mill Creek Bacteria (Fed. ID 9453) TMDL Study & Allocations US EPA approved on 6/05/2002. SWCB approved 6/17/2004. VAW-N21R-03.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			
VAW-N21R_XDF01A02	Mill Creek UT (XDF)	MONTGOMERY CO	An unnamed tributary (XDF) to Mill Creek from its mouth upstream. The stream is located in the headwaters of Mill Creek flowing to VAW-N21R_MLC01A00.
VA Overall AU Category: 4A	Impairment	1.92 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	Fecal Coliform	00132	2002 2002 Category 4A. Mill Creek Bacteria (Fed. ID 9453) TMDL Study & Allocations US EPA approved on 6/05/2002. SWCB approved 6/17/2004. VAW-N21R-03.
Sources: Livestock (Grazing or Feeding Operations)			
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)			
Unspecified Domestic Waste			
Wildlife Other than Waterfowl			

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:	Peak Creek		
TMDL Group ID:	50296		
VAW-N17R_PKC03A06	Peak Creek Middle 3	PULASKI CO	This portion of Peak Creek extends from the Magnox, Inc. outfall on downstream to the mouth of Tract Fork.
VA Overall AU Category: 4A			
Use	Impairment	0.39 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50296 2006 2004	Category 4A. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		
Recreation	Fecal Coliform	50296 2006 2004	Category 4A. FC remains as 12 or more Escherichia coli (E. coli) collections have not been made. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		
VAW-N17R_PKC04A00	Peak Creek Upper	PULASKI CO	The segment extends from the mouth of Hogan Creek downstream to just above the Magnox, Inc. outfall on Peak Creek.
VA Overall AU Category: 4A			
Use	Impairment	2.10 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50296 2006 2004	Category 4A. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl		

# List of Impaired (Category 4A) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>New River Basin</b>			
TMDL Watershed Name:	Peak Creek		
TMDL Group ID:	50296		
Recreation	Fecal Coliform	50296	2006
			2004
			Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.
	Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl	

Note: Assessment Units may extend across jurisdictional boundaries.